THE CHEMIST AND DRUGGIST

TELEPHONE NUMBER: 3617 CENTRAL (3 lines).
Established in ENGLAND, 1859

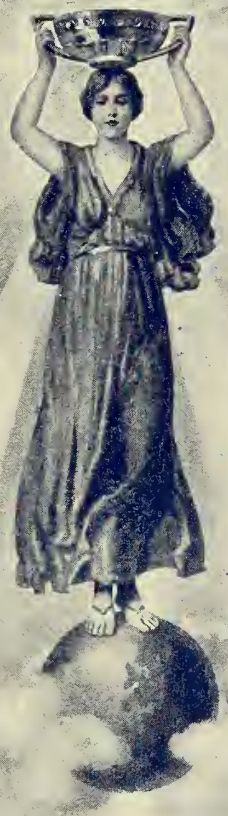
Registered as a Newspaper.
Published Weekly at 42 CANNON STREET, LONDON, E.C. 4.

TELEGRAPHIC ADDRESS: "CHEMICUS, CANNON, LONDON." [Charged as two words only.]
Established in AUSTRALASIA, 1885

No. 2,009. Vol. XC. JULY 27, 1918.

Subscription Rate, 12s. 6d. per annum, Single Copies, 6d. each. Winter and Summer Issues, 1s. each. Post Free.

'Bynogen' Trade Mark
BRINGS HEALTH



An Easily Digested Nerve Food Rich in Phosphorus

Composition of "Bynogen."

"Bynogen" is a combination of pure Milk Protein, 75 per cent.; a specially prepared soluble extract obtained from selected whole wheat and malt, 20 per cent.; with 2 per cent. each of the Glycerophosphates of Soda and Lime and 1 per cent. of Glycerophosphate of Magnesia.

Uses of "Bynogen."

"Bynogen" is indicated in all Enfeebled conditions, in Convalescence after Severe Illness, Mental and Nervous Exhaustion due to worry or overwork, Insomnia, Physical Fatigue, Wasting Diseases, Anæmia, Digestive Troubles, and is very helpful to Nursing Mothers.

A Concentrated Nutrient and Restorative

Advantages of "Bynogen."

"Bynogen" possesses a most attractive flavour and thereby overcomes the objection hitherto experienced in other somewhat similar products.

"Bynogen" aids and strengthens digestion, improves nutrition, and does not cause constipation.

"Bynogen" is delicious when sprinkled on puddings, toast, etc. It mixes readily with milk and other fluids, or it may be eaten plain if desired.

Face Values & Minimum Retail Prices:
1/9, 3/-, 5/- and 9/- per bottle.

TERMS:
The prices indicated are subject to 25% discount.

SAMPLES AND DESCRIPTIVE LEAFLETS FREE ON REQUEST.

Allen & Hanburys Ltd., London

Index to Advertisers, p. 5.

Umney's Choice Synthetics, &c.

"ROSETTOL"

A delicate fragrant Rose compound for Perfumes, Toilet Preparations, Rose Water, etc. ... **25/-** per oz.

"ROSETTOL" First in the Field, still holds first place amongst the synthetic Rose products.

A PHARMACIST'S OPINION.—"'ROSETTOL' is better than any other artificial otto that I have tried."—GEORGE LUNAN, F.C.S., Pharmaceutical Chemist, Edinburgh.

PRESS OPINION.—"When the firm's 'ROSETTOL' was first introduced, we were much impressed by its excellent qualities, and thought it was, in fact, an improvement upon the natural otto; we think so still."—THE PHARMACEUTICAL JOURNAL.

"NEROLETTOL"

A Substitute for Oil of Orange Flowers... ... ... **7/6** per oz.

ANOTHER PHARMACIST writes:—"I have been experimenting for years to perfect my Eau de Cologne, and have tried all grades of genuine Neroli, and many Neroli substitutes. As a result, I can confidently pronounce your 'NEROLETTOL' to be easily first as to synthetics, and superior to all grades of genuine NEROLI, except the very finest. It is not as strong as some others, but is more delicate and true to the flower."—T. A. RONCHETTI, Thornaby-on-Tees.

BENZOINETTOL. For Perfuming Benzoin Creams, Lotions, etc. ... ... **5/-** per oz.

BERGAMETTOL. Artificial Bergamot Oil **1/6** per oz.; **20/-** per lb.

CARNATESSE. The Fragrance of the Clove Pink accurately represented ... ... **7/6** per oz.

GERANETTOL. Artificial Geranium Oil **1/6** per oz.; **20/-** per lb.

JASMINETTOL. Artificial Jasmin Oil. The true Natural Odour of the Jasmine ... **10/6** per oz.

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MUSCOL. A Perfume fixative to replace Musk and Ambergris ... ... **4/6** per oz.

MUSKINETTOL. A Highly Concentrated Blended Extract of Natural Musk ... ... **35/-** per oz.

PATCHOULETTOL. A substitute for Patchouli Oil ... ... **3/6** per oz.

SACHETTOL. A delightful perfume, very persistent. Economical in use. An excellent basis for sachet powders or for use in toilet creams **7/6** per oz.

VIOLONOL. The true fragrance of the Violet. For Perfumes, Toilet Specialities, etc., **10/6** per oz.

Special preparations of the above, miscible with oil, can be supplied for Brilliantines.

UMNEY'S PERFUMERY PRODUCTS

WERE AWARDED

GRAND PRIX, Turin International Exhibition, 1911.
GOLD MEDAL, Brussels International Exhibition, 1910.

WRIGHT, LAYMAN & UMNEY, LTD.

SOUTHWARK, LONDON, S.E. 1.

BRIDGE BRAND

Pharmaceutical & Photographic Products

R. W. GREEFF & CO. offer at lowest prices the following products manufactured in the United Kingdom, Allied and Neutral Countries

(WHOLESALE QUANTITIES ONLY)

Acetanilid
Acetyl Salicylic Acid
Amidopyrin
Barbitone
Benzoic Acid
Benzoate of Soda
Benzamine Hydrochlor
Beta Naphthol
Bromide of Ammonium
Bromide of Potassium
Bromide of Sodium
Chloral Hydrate
Cinchonine and Salts
Cinchonidine and Salts
Citric Acid
Cocain Hydrochlor and Puriss
Cream of Tartar
Creosote Carbonate
Formaldehyde
Gallic Acid
Guaiacol Carbonate
Heliotropin
Hexamine
Homatropine
Hydroquinone
Isarol (best Ichthyol substitute)
Lecithin
Lithia Carbonate
Lithol (Ichthyol substitute)
Menthol
Mercurials
Methylene Blue Medicinal
Methyl Salicylate
Peppermint Oil
Phenacetin
Phenazone
Pyrogallic Acid
Potassium Sulpho-Guaiacolate
Quinidine and Salts
Quinine and Salts
Quinine Ethyl Carbonate
Salicylic Acid
Salicylate of Soda
Salol
Sugar of Milk
Tannic Acid
Tannin Albuminate
Terpineol
Terpine Hydrate
Theobromine
Thymol Crystals
Vanillin

QUININE and QUININE SALTS (Maarssen)

Unexcelled in Uniformity of Quality, Brilliant Crystallisation and Purity of Colour.

CINCHONINE, CINCHONIDINE, QUINIDINE and their SALTS.

MANUFACTURED BY NEDERLANDSCHE KININEFABRIEK, MAARSSEN, HOLLAND.

Supplied both from the works in Holland and also direct from works in Java.

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Lloyds Bank Buildings.
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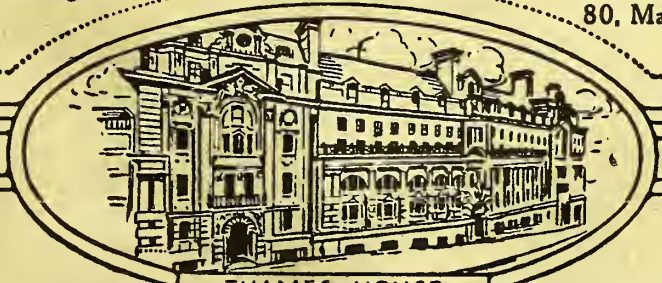
NEW YORK AGENTS
R. W. Greeff & Co.,
80, Maiden Lane.



ZEE-KOL News

Published in the Interests of the Chemist and the Public he serves.

THE CHEMISTS' PROBLEM

is like that of the Dentist. About 999 out of every 1000 persons visit the latter under more or less painful compulsion. He is the most successful Chemist or Dentist who can induce the Public to visit him without compulsion.

The most successful Chemists and Dentists attract the bulk of their patronage by "Service." The Chemist who obliges with a postage stamp has the right idea, especially if he renders this small and seemingly unprofitable service with a right good will that places the visitor under a pleasing obligation.

How is it that some Chemists sell 3 dozen tins of Zee-Kol Skin Ointment where others sell none, or only a solitary tin?

Which is the more profitable—the none, or one, or the 3 dozen?

The "Service Idea" Chemist makes more sales and profits because he makes it his pleasure and profit to know the merits of the articles he can offer to the Public.

The "other" Chemist hands over just what he is asked for, like an automatic machine, and perhaps with a bad grace, or a disparaging or negative remark. If he is asked: "What is good for Eczema?" he places all the different articles he has in stock before his bewildered enquirer with some such remark as: "Oh! they are all much alike." Or, if he has a put-up preparation of his own—the only proprietarial portion of which is his own name printed on the label—"free with a gross order"—he is content to sell it without any real knowledge of its merits or demerits.

INVITATION OFFER TO CHEMISTS!

The Zee-Kol Mfg. Co. know well the superior merits of Zee-Kol. They know that many Chemists do not know what they know, so they will gladly send *a 1/3 tin free of charge for trial purposes.*

The Chemist accepting this offer need not assume any personal responsibility. He can either sell or give it to some poor person with the non-committal explanation of: "I have had this sent to me as a Free Trial Supply. You are welcome to try it free. If it proves as good as the makers say, both you and I will be pleased. I shall be pleased because I can then recommend it to other sufferers in need of a really good Skin Cure."

LOOK AT ALL THESE CHANCES OF SALES OF ZEE-KOL.

Think of the wide field of sales of Zee-Kol to persons suffering from all the following skin troubles:

PIMPLES	PEELING OF SKIN	PILES
BLACKHEADS	HERPES	ABSCESSES
RASHES	CORNS	CHAPPED HANDS
CUTS	SORE BREASTS	DISCHARGING PARTS
BURNS	SORE THROAT	ITCHING
SCALDS	ECZEMA	SORES OF ALL KINDS
CHILBLAINS	ERUPTIONS	DANDRUFF
RINGWORM	BOILS	BED SORES
BARBER'S RASH	ULCERS	ERYSIPELAS
NETTLE RASH	CARBUNCLES	SORE FEET
VARICOSE VEINS	BAD LEGS	

All these are relieved or cured by the application of Zee-Kol, and your recommendation of this medically approved scientific preparation will add to your personal and business goodwill and profit with the public.

YOU CAN ORDER ANY QUANTITY of Zee-Kol from your Wholesale House, or direct. No delay, no fuss or bother. Include a ¼, ½, or 1 dozen order on your next wholesale requisition. But that's not quite all. First show and mention Zee-Kol where and when you can.

YOU WILL GET REPEAT AND NEW RECOMMENDED ORDERS

if you will carry out the foregoing suggestions. Thus you can easily build up a nice ever-growing sale for Zee-Kol, and so increase your sale and profits, and

THE PROFIT IS ALL RIGHT.

The 1/3 tins of Zee-Kol are supplied through your Wholesaler at 12/- per dozen, and the 3/- tins at 28/6 per doz. rate. The tins are not heavy if you pay carriage on your parcels, nor are they so large as to be an item of consideration if your shop is heavily rented, and

Each Zee-Kol customer comes again and again and recommends other customers.

THE FOLLOWING WHOLESALE HOUSES SUPPLY ZEE-KOL,

but you can order it through any other Wholesale House not mentioned in this list:

Sangers, London
May, Roberts & Co., Ltd., London
Butler & Crispe, London
Wm. Edwards & Son, London
Barclay & Sons, Ltd., London
W. Sutton & Co., London
Francis Newbery & Sons, London
Jas. Woolley, Sons & Co., Ltd., Manchester
Evans Sons Lescher & Webb, Ltd., Liverpool
Ayrton, Saunders & Co., Liverpool
Bleasdale, Ltd., York
Raimes & Co., York
Evans, Cadd & Co., Ltd., Exeter
Raimes, Clarke & Co., Edinburgh
W. & R. Hatrick & Co., Glasgow
W. Patterson & Son, Aberdeen
Thomas McMullan & Co., Belfast
J. & J. Haslett, Belfast
Haynes, Coningham & Robinson, Ltd., Dublin

If you have trouble of any kind in regard to supply, write direct to

THE ZEE-KOL MFG. CO.,
39 Mitchell Street, Old Street, London, E.C. 1.

Every tin of Zee-Kol sold leads to other sales of the Zee-Kol preparations, Zee-Kol Blood and Tonic Pills and Zee-Kol Medicated Soap.

ZEE-KOL
THE WONDER SKIN CURE

SYNTHETIC OTTOS

"Zinyl" Brand (Regd.)

TRUE SYNTHETIC PRODUCTS

THESE Ottos are intensely strong and are quite different from the usual Concentrated Perfumes, generally made to a uniform concentration of, say, 40 or 50 times. The Synthetic Neroli, for instance, has a concentration of 220; used in the proportion of ¾-oz. to the gallon of spirit, it gives an excellent basis for Eau de Cologne—the cost of the Synthetic Otto of Neroli being 8/6 oz., whilst it is far stronger than the essential oil, worth to-day about 26/- oz.!

A few recent reports received:

H.M (79 Lower Sloane St., S.W.) 11 *July*, 1918—"I have found your Synthetic Otto of Heliotrope very satisfactory."

Another correspondent recently described the Synthetic Otto of Jasmine as "delightful"—which we quite endorse.

G.S. (Aberdeen)—"I am highly pleased with your Ottos."

The *Chemist and Druggist* recently described the Synthetic Otto of Violets as "distinctly the real thing," and it is the closest imitation of the natural flower we have met with.

This journal also, as far back as 1912, in a very favourable notice, described the "Zinyl" Brand Ottos as "a triumph of modern synthetic chemistry."

Synthetic Otto Rose, "Zinyl" Brand - 21/- oz.

H. E. STEVENSON & CO.,

122 Great Suffolk Street, London, S.E. 1.

NEARLY 40 YEARS' EXPERIENCE AT YOUR SERVICE.

200% TO YOU!

NOW IS THE TIME TO TAKE ADVANTAGE OF THIS GENEROUS OFFER.

TO the first 7,000 Chemists sending us NOW 8/- Postal Order we will send one gross of our well-known 2*d*.

"WYONA" HAIR SHAMPOO

Your returns are therefore	£1 4 0
Your outlay is therefore	0 8 0
Your clear profit is therefore	0 16 0

Done up in striking Bronze Blue unique Red & White packet. Undoubtedly the best Shampoo on the market to-day, "WYONA," SHAMPOO gives entire satisfaction. You can only get 1-gross lot of "WYONA" SHAMPOO on these exceptional terms.

We are actual manufacturers of Shampoo and Toilet Specialities for upwards of 14 years.

Address your letters and make your Postal Orders and Cheques out to

NI-VERRE Chemical Co., 5, 6 & 7 Ormeau Avenue, Belfast, Ireland.

100% TO YOU!

JUST so long as our present stock of tins last we will send you, on receipt of cheque or postal order for 36/-, 1 gross 4½d. **KIOLA POMADE** with 2 dozen of our well-known 9½d. **MAGNETUM CORN CURE**, free of charge.

Make out your cheque or postal order NOW, and send at once. We cannot give any retail Chemist more than ***1 gross lot of Kiola Pomade*** at a time.

You will note your goods come to you Carriage Paid.

Your returns will be therefore—

1 gross 4½d. KIOLA POMADE at 4½d. each ... ... 2 doz. 9½d. MAGNETUM CORN CURE at 9½d. each ...	£3 13 0
Your outlay is	1 16 0
Your clear profit is	£1 17 0

Strikingly got-up Blue and Black Tins and Cartons. Order now. Most effective, and guaranteed free from poison, therefore free from danger.

Write now to Sole Proprietors and Actual Manufacturers—

NI-VERRE Chemical Co., 5, 6 & 7 Ormeau Avenue, Belfast, Ireland.

DEX TO ADVERTISERS IN THIS ISSUE

The Arabic numerals (1 to 32) in this Index refer to Advertisements in the front of literary pages, the Advertisements following the literary pages are numbered in Roman numerals (i to xliv).

For more complete Buyers' Guide see "The Chemist & Druggist" Diary, 1918.

MANUFACTURING CO., Plasters xxx
& HANBURYS, Ld., Foods ..... Cover
STAFFORD, & SONS, Ld., Essential Oils 19
DUG & CHEMICAL CO., Drugs xi
CAN DRUG SUPPLY CO., American Props. xxii
RDAM QUININE WORKS, Quinine xii
-FRENCH DRUG CO., Ld., French Props. i
PERFUMERY CO., Hair Preparations 26
N-GAAHAM, Ld., Window Fittings.. xxxv
N, SAUNDERS & CO., Ld., Wholesale
ruggists and Drnggists' Sundries..... 15
TRADING CO. .....Col. Supp.
BROS. & CO., Ld., Green Extracts 7
RNG QUININE FACTORIES, Quinine Salt ii
E, R., & SON, Infants' Preservatives ..xxiv
R, SHILLAN & CO., Chemicals.....xviii
a's FOOD, Ld., Foods 32
TT, SONS & SHEARS, Ld., Pharmaceu-
cal Machinery xxxix
ATES, Ld., Drugs xviii
R & FISH, Chemists' Valners, &c. Col. Supp.
N, ARTHUR, Ld., Dressings.....xxvii
, ALFRED, Ld., Fruit Saline..... 14
EN, VICTOR, & CO., Chemicals xvii
, W., & CO., Ld., Epsom Salts xv
ROBERTS, A., & CO., Ld., Essences.. 13
, F., Ld., Essential Oils..... 26
EY, S., & SON, Water Glass, Insecticid s
x, xliii
& CO., Ld., Foods, Meat Extract xlii
, A., CO., Chemicals xiv
R CELLULOSE & CHEMICAL MNFG. CO.,
d., Acetic Anhydride..... ix
H LANOLINE CO., Lard Substitute ... 24
H OPTICAL INSTITUTE, Optical Tuition xxxiv
H OROANOTHERAPY CO., Ld., Organo-
erapeutic Preparations..... xx
R PASTEUR-CHAMBERLAND FILTER CO.. xii
S, PEEL & CO., Ld., Collapsible Tubes 28
ERTON-RATCLIFFE & CO., Ld., Saccharin xi
, WARREN & RIDGLEY, Ld., Enemas xxxi
IDE & CO., Encalyptus Oil 30
UOR, J., Ld., S.V.R., S.V.M. .....Text
N, BAKER & CO., "Glacialine" xli
, E. H., & SON, Tablets xvi
OIDS..... xxi
OIE BROS., Chemicals..... xxix
RIGHT, A. S., Ld., India-rubber Tests xxx
AIN, J. L., French Medicinal Props.. xv
Foods CO., Foods .....Col. Supp.
A D., & CO., Ld., Chemicals..... xx
R MODERN COLLEGE xxxiv
OPHERSON, C., & CO., Drugs.....xxxviii
, T., & CO., Toilet Articles 28, 32, xxxvi
Y-PRODUCTS CO., Vaporisers..... xxi
E OF PRECEPTORS xxxvi
G., Shopfittings xxxv
LABORATORY xxxvi
CY & CO., Chemicals, &c. .... Col. Supp.
Z VIRUS, Ld., Vermin Killers xliii
FORT, J. L., Ld., Chlorodyne xxvi
, SONS & CO., Lung Tonic 5
IL CO, Ld., Petroleum Jellies 22
, F.A., Advertising xxxiv
MISS MNFG. CO., Atomizers.....xxxvi
JOHN, & CO., Mixers xxii
ALE, J. W., & SONS, Drugs, Alkaloids xvii
N, FLOCKHART & CO., Vet. Tuberculins vi
EAURITE PAPER CO., Ld., Corrugated Paper xxxii
EDWARDS' "HARLENE," Ld., Hair Preps. .. 31
ELLIOTT OPTICAL CO. ..... S
ELLISON, H., Ld., Disinfectants xxxvi
EUORYL Ld., Dentifrices 25
EVANS SONS LESCHER & WEBB Ld., Sundries 27
EVAN-WILLIAMS CO., Ld., Shampoo 20
FARRIS, CHARLES, White Medicinal Oil..... 10
FIELD, C. W., Ld., Saponine.....xxxiv
FINK, F., & CO., Gums.....xxxvi
FLETCHER, FLETCHER & CO., Ld., Liquors ..Text
FLOREY, HARTLEY, Caffeine..... xviii
FOAD, SHAPLAND & CO., Chemists' Printing... S
FRAME FOOD CO., Ld., Foods xiii
FAANSES, J. J., & SONS, Waxes 30
FUERST BROS., Ld., Chemicals x
FULLWOOD, R. J., & BLAND, Annatto xi
GALEN MNFG. CO., Syringes.....xxxvi
GIBBS, D. & W., Ld., Toilet Soaps, &c ... 20
GIGNOUX FREERES & CO., French Specialities xix
GLORE BOX CO., Cartons xxviii
GOODMAN, G., Ld., Toilet 24
GOUGH, KIDSTON & CO., Chemicals xx
GOWEA, JOHN, Books (Secondhand. &c.) Col. Supp
GRANT, HUGHES & CO., Saccharine xvi
GRAESSER, R., Ld., Drugs xi
GREEFF, R. W., & CO., Chemicals..... 1
GREENWICH LEMONADE CO. .....Col. Supp
GRIFFIN, J. J., Ld., & SON, Tablet Machines xxxix
GUEST, THOS., & CO., Ld., Medicated Lozenges xx
GUMMED PAPERS, Ld., Sealing Machines..... 29
HAIR, B. W., & SON, Perfumes xiii
HARLEY, T., Rat Poison, Proprietary Salt .. xliii
HARVEY & CO. (Dublin), Ld., Veterinary Medicines xliii
HASTING, LANG & CO., Ld. 12
HIBBERT, F. J., Drugs xi
HILL, SAMUEL, Ld., Filter Cloth 16
HORAS, W. H., & CO., Ld., Essential Oils .. 21
HOLLIDAY, L. B., & CO., Ld., Fine Chemicals vi
HOLT, THOMPSON & CO., Salicylic Acid..... xiv
HOPKIN & WILLIAMS, Ld., Reagents..... x
HOVENDEN, R., & SONS Ld., Shaving 26
HURANCK, T., & SON, Ld., Zinc Oxide ii
HUISKING, C. L., Drngs..... xvi
ISAACS, I., & CO., Medical Glassware xi
JACKSON, ERNEST, & CO., Ld., Liquorice Tablets..... 17
JOB BROS., Cod Liver Oil (Newfonndland) .. 17
JOHNSON & CO. (London), Ld., Drugs..... viii
JOHNSON, MATTHEY & CO., Ld., Silver Nitrate, Photographic xli
JOHNSON & SONS (Mfg. Chemists), Ld., Photographic Chemicals 8
JOSEPHS, PHILIP, & SONS, Ld., Shopfittings Col. Supp.
KAY BROS., Ld., Proprietaries 16
KEATING, THOS., Insect Powder xliii
KEENE CO., Fruit Syrups xlii
KNOX-WALKER & CO., Ld., Hair Dyes xxxvi
LAMBERT, S., & CO., Drngs & Essential Oils 18
LANE-HALL, R., & CO., Chemicals (Technical and Fine)..... v
LANG, JULES, & SON, Medical Glasswares .. 17
LANKSHEAR, WICKSTEAD & CO., Ld., Tartaric xx
LAYCOCK, TOM, & CO., Bottles xxxii
LEICESTER RUBBER CO. xxxi
LENNOX FOUNDRY CO., Ld., Chemical Plant xxxix
LEVERMORE, A., & CO., Ld., Chalk (Precip.) xxxvi
LINTON, HUBBARD & ANDREW, Saccharin, Liquorice xii
LIVERPOOL LINT CO., Surgical Dressings.... xxx
LIVERPOOL SCHOOL xxxiv
LIVER RAZOR CO., Safety Razors 6
LLOYD, A. S., Shaving Cream 27
LOFTHOUSE & SALTMER, Ld., Health Salts .. 27
LONDON CHEMICAL WORKS, Ld., Salicylic Acid and Salicylates iii
LONDON PHARM. REFINERS, Ld., Lanoline ..xviii
LYMANS, Ld., Canadian Agencies xxvii
M'GLASHAN, D., Fruit Drink .....Col. Supp.
MACNAIR, A., & CO., S.V.R., S.V.M.....xxxvi
MAOR, J., Ledger .....Col. Supp.
MACFARLAN, J. F., & CO. Alkaloids, Chloroform, Emetine Salts, Surgical Dressings vii
MAONUS, MAREE & REYNARD INO., Ess. Oils 24
MARTIN & CO. .....Col. Supp.
MATTHEWS, HAROLD E., & CO., Nasal Specific xxi
MAW, S., SON & SONS, Trusses, Feeding Cups 11
MAY, ROBERTS & CO., Ld., Anti-Vermin Belt xliv
MEADE-KING, ROBINSON & CO., Petroleum Jellies 30
MELIN, C., & CO., Glassware xxxii
MEYER, W. H., Saccharin Tablets ....Col. Supp.
MILLAR, A., & CO., Ld., Orange Quinine Wine xxvii
MILLS, J. (Wigan) .....Col. Supp.
MILNER'S CHEMICAL CO., Hat Cleaners 24
MILTON MNFG. CO., Disinfectants 16
MOIZO, DR. GIUSEPPE, Cream of Tartar xxi
MOND NICKEL CO., Copper Sulphate..... xvi
MONSANTO CHEMICAL WORKS, Chemicals xv
MUMFORD, G. S., & SONS, Pile Powders..Text
NATIONAL ANILINE & CHEMICAL CO. ..Col. Supp.
NEWBALL & MASON, Herb Extract..... 13
NI-VERRE CHEMICAL CO., Toilet Articles .. 4
NORTH, V.C., & CO., Chemicals..... xxi
NORTHERN COLLEGE OF PHARMACY xxxiv
NORTHERN TIN CANISTER WORKS 17
OWBRIDGE, W. T., Ld., Lung Tonic.....xxiii
PAGE, CHAS., & CO., Chemicals 32
PARRE, DAVIS & CO., Hydrogen Peroxide Cover
P.A.T.A. ..... Col. Supp.
PERRY & HOPE, Ld., Eucalyptus Oils xxvii
PHARMACEUTICAL LANOLINE CO., Lanoline .. 6
PICERNO, V. A., Chemicals xix
PICKARD, IVE & RANKIN, Ld., Acetyl-Salicylic Acid xxxvii
PIERSON, MORRELL & CO., Asplrin..... iv
PINDAR, A.....xxxvi
POTTER & CLARKE, Ld., Herbs..... xxv
PRESTON'S LIVERPOOL DISTILLERY CO., Ld. S.V.R., S.V.M. 6
PRICE, A. S., & CO., Ld., Tea Sweeteners Col. Supp.
PURE RUSSIAN LIQUID PARAFFIN CO., Ld. xxxviii
QUELCH, H. C., & CO., Face Powders 14
RAWORTH, J. E., Patent Agent xxxvi
RESINOL CHEMICAL CO., Ointment and Soap iii
REUTER, R. J., Vaporisers and Sprays 9
REYNOLDS, A. T., Thermometers xxxiii
RIGAUD-CHAPELLE, French Proprietaries, &c. 23
ROAGATES, Ld., Toilet Specialities 22
ROGEAT, DANTO, & CIE, Chemical Plant ... xxii
ROLLIN CHEMICAL CO. INC., Chemicals xi
ROQUES, FERDINAND, Alkaloids, Cacodylates xvii
ROSENBLATT, SAMSON, Chemicals x
ROWNSON, DREW & CLYDESDALE, Ld., ... xxiv
RUBECK, H., Oils .....Text
RUCH, A. & CO., Glassware.....xxxii
RUDD, F. M., Oils.....Col. Supp.
RUDDUCK & CO., Chemists' Shopfittings Col. Supp.
SAINT-RAPHAEL CIE, Tonic Wine xii
SAMPSON & WHITE, Ld., French Chalk.....xxvi
SANITAS CO., Ld., Disinfectants.....Text
SOALIARIS, N. L., Pastilles .....Col. Supp.
SCHWEPPES, Ld., Mineral Waters 12
SCHUTZE, F., & CO., Soothers 24
SHADRINE CO., Hair Dyes xxxvi
SISTER LAURAS INFANT FOOD CO., Ld., Foods xi
SKILBECK BROS., Drugs..... x
SMITH, T. & H., Ld., Alkaloids, Resinoids.. viii
SOCIETEIT VOOR CHEMISCHE INDUSTRIE KATWIJK, Theobromine 29
SPATELLA PHALISHING CO., Books xxxv
SPENCER, ISAAC, & CO. (Aberdeen). Ld., Cod Liver Oil 6
SPRING & CO., Ld., Honey xi
STANDARD TABLET CO., Effervescing Tablets Cover
STEVENSON, H. E., & CO., Synthetic Ottos 3
STEVENSON, HUGH, & CO., Ld., Boxes.... 16
STOKES & CO., Ld., Toilet Articles 22
SWISS BANK CORP., Mercantile Banking x
TANABE, MOTOSAABURO, Clinicals..... xxxiii
TAPER, M. & B., Sundries xviii
THEVENAZ & CO., Dyes xix
THOMAS, E., Syrups xlii
TOLKOWSKY, S., Russian Crude Drugs, &c. .. xlv
TOMODA & CO., Japanese Chemicals, &c .. ix
TOMPKINS, J., Ld., Rubber Goods ....Col. Supp.
TOZANA PERFUMERY CO., Ld., Toilet .....Text
TURNER BROS. ASBESTOS CO., Ld. xxxiii
TYE, J., & SON, Tubes xxviii
TYRER, T., & CO., Ld., Bismuth Salts, Chemicals xix
VALENTINE, M., Ld., Hair Stain xix
VAN HORN & SAWTELL, Surgical Ligatures ..xxxvi
VENESTA, Ld., Tinfoil 18
VICHY CO., Mineral Waters 12
VISCOSE CO., Ld., Bottle Cappings..... 16
WAIDE, THOS., & SONS, Chemists' Printing xxxv
WALKER, G., & SON, Ld., Saline 29
WARNE, W., & CO., Ld., I.R. Surgical Goods xxxiii
WARRINGTON CHEMICAL & DRUG CO., Salicylic Acid..... x
WASHINGTON CHEMICAL CO., Ld., Magnesia and Salts xx
WATFORD MNFG. CO., Ld., Turtle Extract ... xii
WATSON & CO., Photographics .....Col. Supp.
WELCH & HORNER, Drugs, Chemicals iv
WELVEET MFG. CO., Sweetening Tablets Col. Supp.
WEST-END PHARMACY SUPPLY, Cachets ...xxxvi
WESTERN DENTAL MNFG. CO., Throat Wash..xxiv
WESTMINSTER COLLEGE OF PHARMACY.....xxxiv
WHIFFEN & SONS, Ld., Emetine Salts..... ix
WHITE, J. & J., Bichromates xvii
WHITE, TOMKINS & COURAGE, Ld., Hop Oil.. 30
WILKINSON, J. F., Chemists' Printing xxvii
WILSON, TALBOT, Corn Pencil .....Col. Supp.
WOOD PULP VESSELS, Ld. xiii
WOODHEAD, J., & CO., Honey xlii
WOODWARD'S GRIPE WATER xxiv
WRIGHT A. J., Ld., Electrical Novelties ..xxxvi
WRIGHT, LAYMAN & UMNEY, Ltd., Synthetic Perfumes .....Cover
YONLDON, E., Ld., Medical Glassware.....xxxii
ZEE-KOL MFG. CO., Ointment 2

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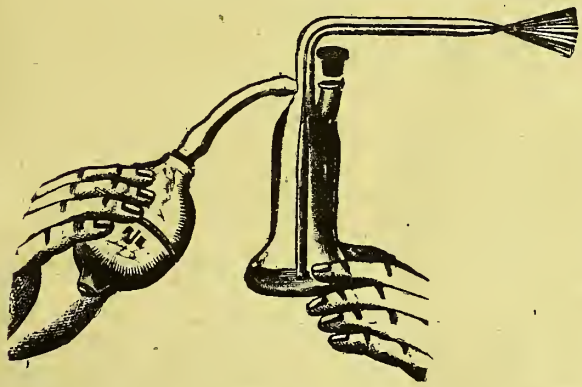

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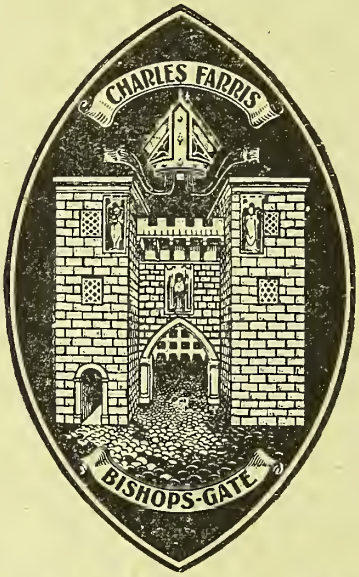

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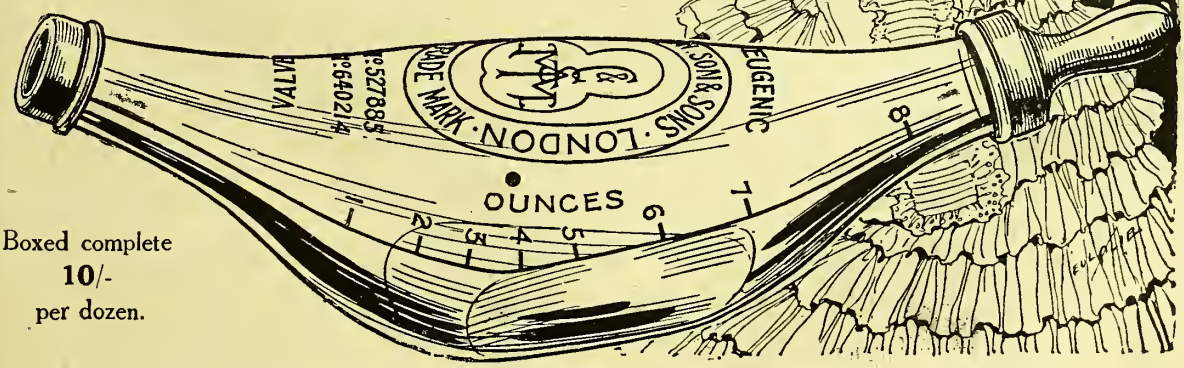

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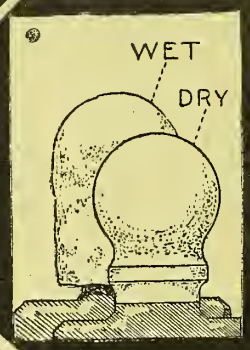

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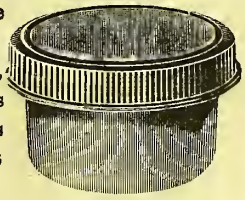

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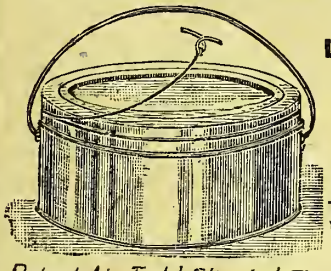

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Manufacturing Chemists and Perfumers,

Desk 11, 31-35 Lower Castle, BRISTOL.

(4)

Salvo Petrolia

the perfection of Petroleum Jelly

in qualities, white, lemon, yellow and golden, for pharmaceutical purposes.

MANUFACTURED SOLELY BY

The Dee Oil Company, Ltd.

Delta Works . Bootle . Liverpool.

Packed in barrels, kegs and smaller packages according to requirements.

Inquiries are solicited for this article of **BRITISH MANUFACTURE,** and buyers may rely that for quality and price it will meet any competition

Other Grades

Petroleum Jellies, White Bases, &c.

Samples and prices on application.

"**OLEUM DEELINÆ,**" a certain cure for Eczema.

Phone: 186 Bootle. Wires: "Cestrian Liverpool."

ROBARTES

DIADEM

Face Powder

ROBARTES

DIADEM

Vanishing Cream

possessed of the elusive fragrance of Diadem Cream, adheres readily to the skin. Made in Blanche, Naturelle, Rachel, and Rose tints. Packed in large artistic boxes, in the distinctive Robartes style and colouring. A sure seller.

a cream of rare purity and charm, put up in novel white globes which have an irresistible appeal and packed in dainty boxes in Robartes' attractive style. Handsome profits for you in selling.

TRADE TERMS

Diadem Powder		Diadem Cream	
Advertised and Minimum Retail Price	2/6	Advertised and Minimum Retail Price	3/9
Trade, per doz.	20/-	Trade, per doz.	30/-

Window and Counter Materials free on request. Write for particulars.

Special Notice and Offer to the Trade.

Each jar of Diadem Cream contains the following notice:—"On returning 6 of these empty Diadem jars to any Chemist or Hairdresser in the United Kingdom, a new 3/9 size jar will be given you free in exchange."

Upon any of our trade customers therefore returning to us 6 of these empty jars carriage paid, we will immediately forward in return, post free, 2 (3/9 size) jars of Diadem Vanishing Cream.

DECOLTENE The liquid hair remover — The intelligent depilatory. Simple, safe and effective. Pleasant and harmless. Invaluable during the décolleté vogue. Daintily packed.

Dinkie The Dainty Deodorant — An attractive line that enjoys good sales. A greaseless Cream that takes the odour out of perspiration. Daintily packed in opal jars.

TRADE TERMS. DECOLTENE. Advertised and min. Retail price **3/9** Trade **30/-** per doz. DINKIE. Advertised and min. Retail price **2/6** Trade **20/-** per doz. Particulars and Showcards on request.

ROBARTES, LTD., 128 Jermyn St., London, S.W.1

LABORATORY
OF GENERAL PHARMACOLOGY,
8, Rue Vivienne, Paris.

LONDON AGENTS:
WILCOX, JOZEAU & Co., 49, Haymarket, S. W.

CHAPOTEAUT'S
CAPSULES of
PHOSPHOGLYCERATE
of LIME.
THE BEST TONIC FOR
FORTIFYING AND BUILDING UP
THE NERVOUS SYSTEM.
Sold by all Chemists.
Wholesale: 8, Rue Vivienne.
PARIS.

MORRHUOL CHAPOTEAUT

CAPSULES

MORRHUOL DE CHAPOTEAUT is extracted from cod-liver oil, and contains all its efficacious properties without the disagreeable taste.

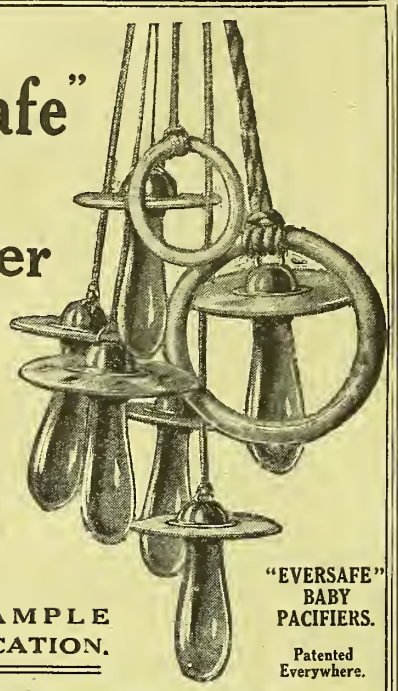
It cures Coughs, Bronchitis and Catarrh, restores the appetite, and gives force to feeble persons.

SOLD BY ALL DRUGGISTS.

CHANDRON'S
DROPS
(Gouttes des Colonies)
A harmless antiseptic
preventative against CHOLERA-
FERMENTATION - INDIGESTION
& other intestinal disturbances.
SOLD BY ALL CHEMISTS

LONDON AGENTS
HEPPELL & CO., 164, Piccadilly, W.

The "Eversafe" Baby Pacifier



Our Manufacturing facilities being considerably increased we have the pleasure of inviting orders for prompt delivery.

FREE SAMPLE ON APPLICATION.

"EVERSAFE" BABY PACIFIERS.

Patented Everywhere.

Trial Orders, minimum value 12/6, Cash with Order, Carriage Paid, U.K.

F. SCHUTZE & CO., LTD.
BLACK BULL WORKS - LONDON, N.

MAGNUS, MABEE & REYNARD, Inc.
NEW YORK, U.S.A.
IMPORTERS—MANUFACTURERS—EXPORTERS
ESSENTIAL OILS, DRUGS & CHEMICALS.

We offer at advantageous prices—

LIQUID STYRAX
Cases 80 lb. each (not U.S.P.)

CHLOROPHYLL
Alcohol and Oil, Soluble.

HELIOTROPINE CRYSTALS
VANILLIN & COUMARIN
BALSAMS
COPAIBA—PERU—TOLU

An interesting and complete Catalogue covering the Drug and Essential Oil fields mailed on request.

LARD SUBSTITUTE
"LANOLARD."
A PERFECT OINTMENT BASE.
NEUTRAL, INODOROUS, FINELY MILLED.
Can be supplied Benzoated if desired. Samples and prices at your request.
THE BRITISH LANOLINE CO., LEICESTER (Proprietors: Howard Lloyd & Co., Ld.)

The "MILNER" STRAW HAT CLEANER

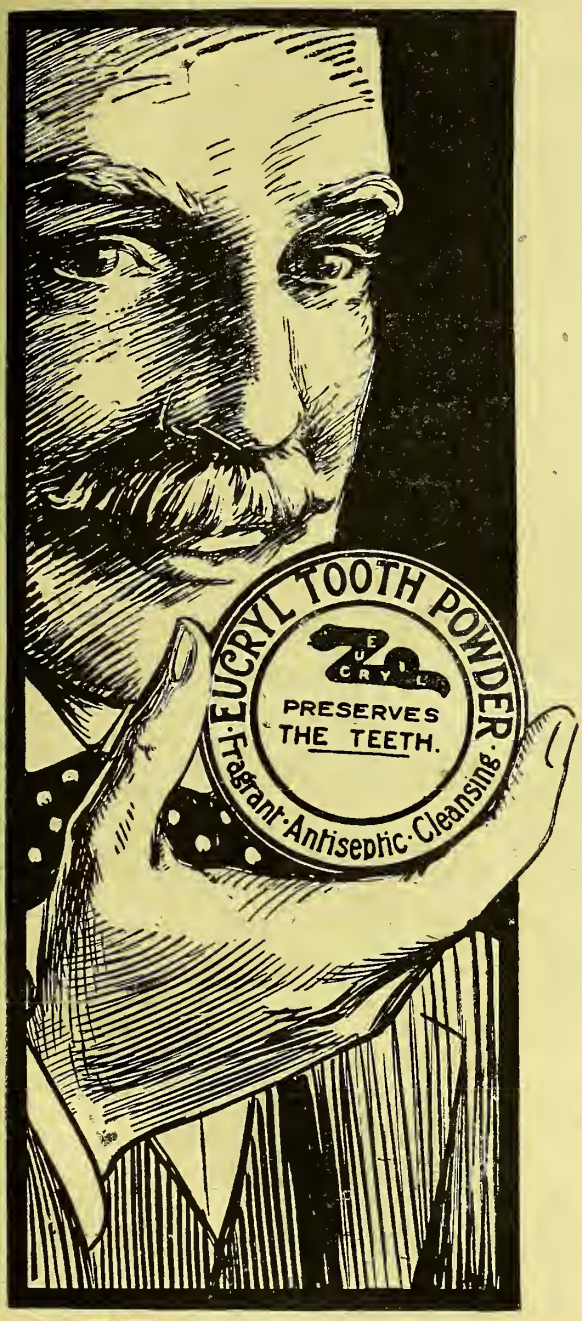
SELLS WELL EVERYWHERE
3d.
It is easily used and gives complete satisfaction.
NINTH SEASON
6 dozen 10/- net.
12 ,, 19/- net.
Carriage Paid.
Orders of 20/- 2½%
£5 5% £10 7½%
MILNER'S CHEMICAL CO.
LIVERPOOL.

"ONGARD" SAFETY PINS
(GUARANTEED RUST PROOF)
ARE THE BEST FOR
SURGICAL AND NURSERY PURPOSES.

REGD TRADE MARK.

SOLE MANUFACTURERS
GEORGE GOODMAN LTD.,
BIRMINGHAM.

The Best Selling Line



One, moreover, that brings you in with every sale

100% PROFIT

You take no speculative chances—no risks. Selling "EUCRYL" is safe and solid business, and you secure 100 % profit on every tin you sell. Stock this popular line and your returns will increase amazingly.

EUCRYL TOOTH POWDER

appeals to everyone—it is so clean, refreshing and fragrant. It keeps the teeth and mouth sweet and antiseptic. This is why the Public come back in ever-increasing numbers for Eucryl Tooth Powder. Fill in your coupon and start making bigger profits.

EUCRYL LTD.

61/63 LANT STREET, SOUTHWARK, S.E. 1.

COUPON.

Please send me 12 dozen, 7½d. tins Powder at 5/- dozen together with the special display and cash bonus of 5 dozen tins free of charge. Carriage paid. I enclose cheque value 60/-

Name.....

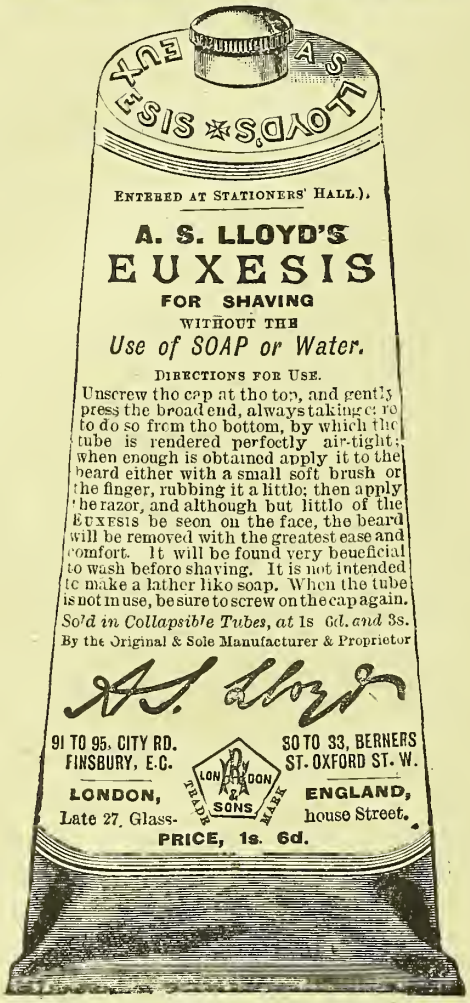
Address.....

C. & D. July 27

A. S. LLOYD'S EUXESIS

(THE GENUINE.)

For Shaving without Soap, Water or Brush.



Sold by all Perfumers and Chemists throughout the World.

R. HOVENDEN & SONS having purchased, under an administration suit, the Business of the late A. S. LLOYD, with the Receipt, Trade-mark, and Goodwill of the celebrated Euxesis, the **Trade are cautioned** that the original and genuine Euxesis is now manufactured at our Factory ONLY, and may be obtained at either of our Warehouses at the following prices:

10/6 *per dozen;* **10/3** *by the 6 dozen.*
Retails at **1/6** *per tube;* **3/-** *size to order.*

NOTICE.—THE GENUINE A. S. LLOYD'S EUXESIS bears a label printed in BLACK only on a Yellow ground, with our Trade Mark at the bottom, as Illustration.

Proprietors: R. HOVENDEN & SONS, LTD.,
LONDON : 29-33 Berners Street, W. ; and 89-95 City Road, E.C.

WHOLESALE ONLY.

FREDK. BOEHM

LIMITED

HEAD OFFICE:
15, 16 & 17 JEWRY STREET, LONDON, E.C. 3

SCOTTISH OFFICE:
140 West George St., Glasgow

FBL LTD LONDON

We offer for immediate delivery from Stock in London the following

ESSENTIAL OILS

BERGAMOT	LEMON
CARAWAY	ORANGE
CINNAMON	PEPPERMINT
CUBEB	SANTALWOOD

Inquiries respectfully solicited.

The

easy path

of substitution leads inevitably to dissatisfied customers and consequent loss of business. The moral is obvious. When Anzora is asked for and you happen to be out of stock firmly resist the temptation to follow the "easy path." Don't offer something "just as good." There is nothing on the market to equal Anzora for mastery of the hair. Just counsel patience to your customer and place your order well ahead with us. We are rapidly overcoming the difficulties of supply and are dealing in rotation with orders. Remember, that

ANZORA HAIR CREAM

Masters the Hair

Anzora Cream and Anzora Viola (for dry scalps) are offered at 11/6 per doz., retailing at 18/-; and 19/6 per doz., retailing at 30/- Show-cards on request.

The Anzora Perfumery Co., 28, 32, 34 Willesden Lane N.W.6

A. S. LLOYD'S EUXESIS.

For Shaving without Soap, Water, or Brush.

CAUTION.

The Labels on GENUINE EUXESIS bear two signatures—A. S. Lloyd in Black Ink, and that of his Widow, Aimée Lloyd, in RED. Refuse any other.

Sole Manufacturers and Proprietors: **AIMÉE LLOYD & CO.**

23 PANTON STREET (formerly named Spur Street),
HAYMARKET, LONDON, S.W.

N.B.—When ordering from Wholesale Houses write LLOYD'S EUXESIS (WIDOW'S).

THE ELCO BRAND

DISTINCTIVE AND ARTISTIC. THE E.L.C.O. SERIES WILL PLEASE YOU AND YOUR CUSTOMERS.

ORDER AN ASSORTMENT NOW.

EVANS SONS LESCHER & WEBB, Ld.

LOFTHOUSE & SALTMER, Ltd.

Wholesale & Export Drug Merchants,
Manufacturing Chemists

HULL.

INVITE the Trade to take up the following valuable P.A.T.A. Protected Lines, bearing a very large Protected Retail Profit, which sell freely and are well known and valued by the Public in many parts of the country.

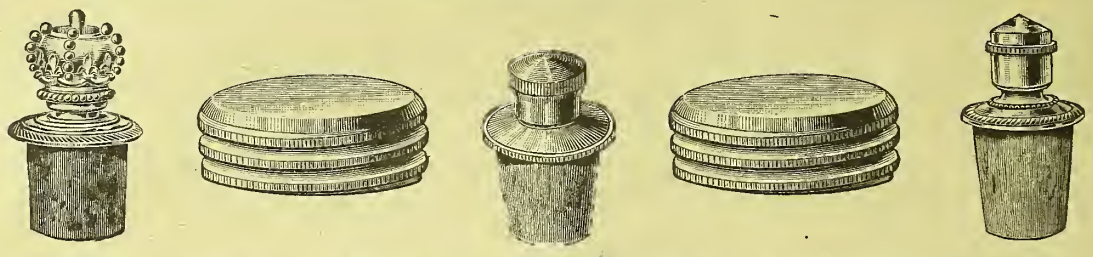
P.A.T.A.	Protected Retail Price.	Dozen Net.
*LOSALL'S SALT (well advertised), tins	9d.	6/6
* " " " " bottles in cartons	2/-	16/-

We regret that we are not able now to supply the 1/6 tins of Losall's Salt.

Losall's Salt sells so well, surely it must pay Pharmacists to stock such a big profit-bearing protected line.

LOSALL'S COMPOUND SULPHUR SOAP.

	Box.	Doz.
A valuable emollient medicated skin soap, especially suitable for use in Eczema. 3 Tablets in a box @ 8d.	2/-	18/-



Collapsible Tubes Sprinkler Stoppers

PLAIN AND PRINTED.

FILLING & CLOSING MACHINES

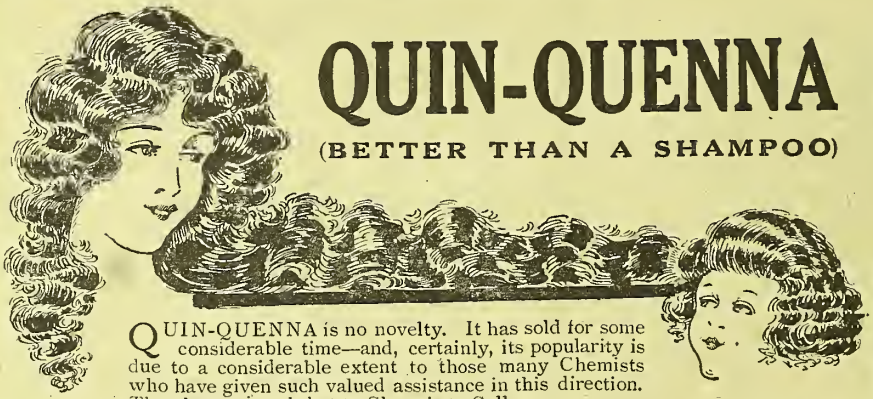
METAL CLIPS for ends of Tubes and MACHINES for fixing same.
SCREW CAPS, METAL TOP CORKS, etc., etc.

Inquiries invited.

24 CITY ROAD
Finsbury Square
LONDON, E.C. 1

(2)

This line is justly popular among Chemists because it is heavily advertised, does all that is claimed, and yields a fine P.A.T.A. profit, and every sale enhances his reputation.



QUIN-QUENNA

(BETTER THAN A SHAMPOO)

Show it on your Counter and in the window — our advertising will do the rest.

QUIN-QUENNA is no novelty. It has sold for some considerable time—and, certainly, its popularity is due to a considerable extent to those many Chemists who have given such valued assistance in this direction. They have proved that to Show is to Sell.

QUIN-QUENNA publicity is very heavy indeed, and embraces such media as *Nash's Magazine, New Magazine, London Mail, Pictures, Home Notes, Woman's Notes, Evening News, Daily Mirror, Bystander, Tatler, Story Teller, John Bull,* and all Odham's and Cassell's publications, &c., and is now having a long list of big influential provincial papers added. The successful methods hitherto adopted are being continued on an extended scale. Therefore, we confidently look to a much increased demand. As all the announcements say "*Go to your Chemist,*" we should naturally like you to have sufficient supplies to be able to deal with these assured sales.

QUIN-QUENNA is, as you probably know, not a Shampoo. It is a Hair beautifier, grower, tonic, and dandruff remover that is applied to the head in this everyday manner. Perhaps you will like to avail yourself of our offer.

CHRISTY'S,
OLD SWAN LANE,
LONDON, E.C. 4.

4/- PER DOZ. | **ADVTD. P. PKT. 6D.** | **P.A.T.A. PROFIT 33⅓%**

OUR OFFER

to those who reply to this announcement in course of post is to send along a

6-DOZ. CARTON QUIN - QUENNA

It is an attractive double swing - back box supported with a neat little showcard in black and pale blue and goes.

POST - PAID PROMPTLY.

We do not usually pay carriage on so small a quantity, but we are anxious that you should have goods to meet the demand.

A Safe & Indispensable Family Remedy

EUSALINE

"THE FAVOURITE HEALTH DRINK."

The foremost place which EUSALINE now occupies in public appreciation amongst Natural Fruit Salines has been won by its outstanding merits.

QUALITIES:
Cooling
Refreshing
Cleansing
Sparkling
Palatable

As a Morning Tonic EUSALINE is unrivalled, it quickly corrects all indiscretions in eating and drinking—sweetens the stomach, cleanses the system and purifies the blood.

AN ALL-THE-YEAR SELLER. KEEPS IN ALL CLIMATES.

Its inviting packet, pleasing taste and flavour are particularly acceptable to children, who will take EUSALINE when they refuse all other aperients.

EUSALINE is being extensively advertised during the coming months, so that a large and steady demand is assured

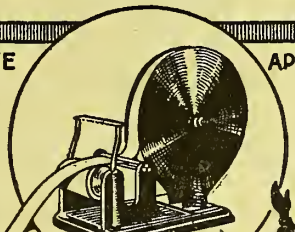
EUSALINE is Retailed at 1/9 per bottle; Wholesale price, 15/- per dozen. Discount, 15% and Carriage Paid on £5 orders. Can also be had in boxes containing 13 packets, to retail at 1½d. per packet, or 2 for 2½d., and 1/3 per box. Wholesale price, 12/- per gross. Discount 15%, plus bonus, according to quantity ordered. Carriage Paid on £5 orders.

GEORGE WALKER & SON, Ltd.
Reid Street, Bridgeton - GLASGOW.

ESTABLISHED 1860.

DISTINGUISHABLE FROM ALL OTHER PREPARATIONS BY ITS GRANULAR FORM, WHICH ENSURES A DEGREE OF MEDICINAL ACTIVITY AND FRESHNESS HITHERTO UNOBTAINABLE.

ATTRACTIVE APPEARANCE



USE THE

DEMON

SEALING MACHINE

THE QUICKEST, SIMPLEST & SUREST METHOD OF PARCELLING.

Ask for particulars and samples, or, better still, our representative will be pleased to call and demonstrate.

GUMMED PAPERS LTD.
Regd. Offices:
47 RUTLAND ST., LEICESTER

Theobromine Pure Alkaloid

Caffeine

Theobromine Sodio-Salicylate

(*chemically the same as Diuretine*).

Societeit voor
Chemische Industrie Katwijk
KATWIJK-AAN-ZEE,
HOLLAND.

Petroleum Jelly

White, Yellow, Amber, & Ruby Red, for all Pharmaceutical and Veterinary purposes

MEADE-KING, ROBINSON & CO.
LIVERPOOL - - - MANCHESTER

We offer

WAXES

PETRO. JELLY

LIQUID PARAFFIN B.P.

WHITE OILS

Send us your inquiries.

J. J. FRANSES & SONS, LIMITED,
80a Southwark St., LONDON, S.E. 1.

EUCALYPTUS OIL (RECTIFIED).

Eucalyptol Content	70/80 %
Optical Rotation	0 to 1
Specific Gravity	·919 to ·928

Absolutely Free from Phellandrene.

Quotations by cable. Wholesale Trade only.

BURNSIDE & COMPANY
Eucalyptus Oil Distillers,
VICTORIA, AUSTRALIA.

New Postal Address— 439 Flinders Lane, Melbourne. Cables—"Burnside Company, Melbourne."

PURE ESSENTIAL

OIL OF HOP.

PRICE AND INFORMATION FROM THE DISTILLERS:

WHITE, TOMKINS & COURAGE, Ltd.

Head Office:
48 Mark Lane, LONDON, E.C. 3,
and at LIVERPOOL, BELFAST, BOSTON.

INCREASING POPULARITY OF "HARLENE HAIR DRILL."

EVERY DAY EMPHASISES THE NECESSITY FOR MEETING THE PUBLIC DEMAND.

The widespread publicity initiated by the Proprietors of "Harlene" over a number of years and vigorously maintained right up to the present time, in spite of many difficulties and increasing expense, continues to draw an immense response from all parts of the country. Thousands of sample parcels are dispatched daily, thus increasing the number of possible customers to retail stores everywhere.

HAVE YOU A GOOD STOCK OF "HARLENE HAIR DRILL" PREPARATIONS?

NOTE.

The Contents of the Free HARLENE OUTFITS comprise:

1. **A Trial Bottle of Harlene.**
2. **A "Cremex" Shampoo Powder.**
3. **Trial Bottle of "Uzon" Brilliantine.**
4. **Book of Instructions.**

FOLLOW THE TIDE OF SUCCESS.

Watch the great Free Gift Advertising Campaign that brings the Customers to your shop.

No Chemist or Store can afford to be without this unique line of Toilet Preparations.

"HARLENE" FOR THE HAIR
"UZON" BRILLIANTINE
"ASTINE" VANISHING CREAM
"ASTOL" FOR GREY HAIR
"CREMEX" SHAMPOO POWDERS
"ASTINE" SHAVING STICK
"ASTINOL" AROMATIC FLUID.

For Particulars, Advertising Literature, &c., write to

EDWARDS' HARLENE, Ltd.

20, 22, 24 and 26 LAMB'S CONDUIT STREET, LONDON, W.C. 1.

Telegrams: "PAGANINI CANNON, LONDON."

CHAS. PAGE & CO.

Telephones: AVENUE 1728 (3 lines).

47/51 King William Street, LONDON, E.C. 4.

OFFER AT FIRST HAND FOR PROMPT DELIVERY:

ACETIC ANHYDRIDE
BARIUM CHLORIDE
BENZO-NAPHTHOL
BETA-NAPHTHOL
CALCIUM ACID PHOSPHATE
CHLOROPHYLL

BALL & FLAKE NAPHTHALINE
MAGNESIUM SULPHATE
PARAPHENYLENEDIAMINE
SODIUM ACETATE
" BISULPHITE POWDER
" " SOLUTION
" NITRITE

SODIUM PRUSSIATE
" PHOSPHATE
" PYROPHOSPHATE
" SULPHITE (Coml. & Pear.)
TARTARIC ACID
THYMOL

For backward and ailing children.

BENGER'S Food for INFANTS, INVALIDS & the AGED.

235

Notice to Chemists, etc.

Owing to the very large supplies required for hospital use, and the present day difficulties of production, orders for Benger's Food are of necessity rationed.

The wholesale houses co-operate with us in our efforts to maintain a fair distribution of the available supplies. Please assist by not ordering in excess of customers' requirements.

Doctors' urgent orders sent to the wholesaler will receive priority.

BENGER'S FOOD Ltd., Manchester.

"PHŒNIX" BRILLANTINE

SELLING? RATHER!

THAT'S the state of sales in all parts of the United Kingdom—in village, town or city. There's no difficulty about repeats, the question is more ability to supply the demand quickly enough. "Phœnix" for quality, appearance and saleable worth compares most favourably with Brillantines at very much higher figures, hence its popularity.

TO those few who know not "Phœnix," we ask them to visualise a nice clean bottle, well-capped, corked, labelled in colour, filled with a limpid, inseparable Brillantine, delicately perfumed. Small sells at **7½d.** to **10½d.**, large **1s.** to **1/3.** We want these good friends to try just our **small carriage paid order** and send in the coupon. If they reside in England we will pay carriage right through, but if in Scotland or Ireland we will defray one-half.

6 DOZEN SMALL & 4 DOZEN LARGE SENT CARRIAGE PAID ANYWHERE IN ENGLAND.

(Half Carriage allowed Scotland and Ireland).

No. 4350 SMALL **4/6** PER DOZ. ; **No. 4351** LARGE **6/9** PER DOZ.

OUR OFFER

is to send for a limited period the quantity below of "Phœnix" Brillantine to any part of England, Carriage Paid, and all orders will be sent out in rotation.

We are sorry that we cannot cover the whole carriage to Scotch and Irish friends, but to help them we will split the amount.

6 dozen small at 4/6
4 " large " 6/9

The earlier your order is received the sooner you'll be enjoying the easy & profitable sales

CHRISTY'S
OLD SWAN LANE, LONDON, E.C. 4.

THE CHEMIST AND DRUGGIST

A Weekly Journal of Pharmacy and of the Chemical and Drug Trades.
ESTABLISHED 1859.

The CHEMIST AND DRUGGIST is in circulation and reputation the leading journal addressing the Chemical and Drug trades in the British Empire and other countries in the Old and New Worlds. It is the official Journal of many Chemists' Societies in Australia, Ireland, New Zealand, South Africa, and the West Indies.

SUBSCRIPTION RATES.
Twelve Shillings and Sixpence a year in advance, post free to any part of the world, including a copy of *The Chemist and Druggist Diary* next published. Subscriptions may begin any month. Single Copy, 6*d.*; Summer or Winter Number, 1*s.*; *Diary* 3*s.* 6*d.* Postal orders and cheques to be crossed "Martin's Bank (Limited)."

Prix de l'abonnement annuel: le journal une fois par semaine, et l'agenda une fois par an, 12*s.* 6*d.*, franco.

Подписная цѣна на еженедѣльный журналъ съ приложеніемъ Годового Дневника—12 шиллинговъ 6 пенсовъ на годъ съ пересылкой.

Precio de suscripción anual: el periódico una vez por semana, y el agenda una vez por año 12 ch. y 6 peniques, franco.

Terms for advertising in THE CHEMIST AND DRUGGIST can be obtained on application to the Publisher at the

Head Office: 42 CANNON STREET, LONDON, E.C. 4.
Telegrams: "Chemicus, Cannon, London." Telephone 3617 Central (three lines).
Branches: MELBOURNE AND SYDNEY, AUST.

CONTENTS: No. 30 (Series No. 2009), Vol. 90.

	PAGE		PAGE
Association Affairs	46	English News	35
Association of British Chemical Manufacturers	34	European War	33
Bankruptcy Report	37	Information Department	40
Birth	39	Insurance Act Dispensing	47
Business Changes	39	Irish News	36
Cape Retail Chemists	46	Legal Reports	37
Coming Events	33	Marriages	39
Contracts	35	Military Tribunals' Decisions	34
Correspondence	50	New Companies and Company News	38
Deaths	39	Observations and Reflections	41
Editorial Articles:		Personalities	40
Face-values Propaganda	42	Poisonings	36
Jubilee of the Pharmacy Act	43	Retrospect	52
The Sale of Poisons	44	Reviews of Books	47
Military Service	44	Scottish News	36
Overseas Trade	45	Trade Marks	45
Another Precedent	45	Trade Notes	40
No Further Use for Germany	45	Trade Report	48
		Westminster Wisdom	38
		Will	33

Coming Events.

This section of the "C. & D." is reserved for advance notices of meetings or other events. These should be received by Wednesday of the week before the meetings, etc., occur.

Sunday, July 28.

United Arts Rifles, "D" Company (Pharmacists). At 10 A.M., company parade at Imperial College Union, South Kensington, S.W. At 10.30 A.M., battalion parade in Hyde Park. Dress: Drill order. (July 31 and August 1, platoon parades at headquarters at 3 P.M.)

Thursday, August 1.

Non-Proprietor Pharmacists' Union. Progressive Pharmacists' Club, Arundel Hotel, Victoria Embankment, London, W.C., at 7.30 P.M. Meeting at which the future policy of the Union will be discussed. Non-members are invited to be present. Mr. Herbert Skinner will be in the chair.

Will.

MR. HERBERT SEATON HAIRSINE, 39 Buckingham Mansions, West End Lane, London, N.W., formerly carrying on business as Hairsine & Co., chemists and druggists, 47 Haymarket, S.W., and as Williams and Elvey, 8 West Halkin Street, S.W., who died on March 15, left 27,378*l.* 18*s.* 4*d.* Subject to his wife's interest during widowhood, the property is divided between his daughter, Mrs. Laverack, his son, Seaton, and his grandson, Herbert Leslie.

European War News.

Personalia.

MR. LANGSHAW ROWLAND, eldest son of Mr. L. B. Rowland, chemist and druggist, Mayor of Wrexham, has been gazetted second-lieutenant in the R.F.A.

PIONEER GERALD K. COULTAS, R.E., is reported as missing since June 23. His apprenticeship in pharmacy was served with Boots, Ltd., at their Dewsbury branch.

PRIVATE ROBERT L. SPENCER PALMER, Devonshire Regiment, is reported as missing since May 27, and is believed to be a prisoner of war. Private Palmer is the youngest son of Mr. J. Spencer Palmer, pharmacist and dental surgeon, Thornbury, Glos.

LANCE-CORPORAL GEORGE HITCHON, Machine Gun Corps, has been awarded the Military Medal for heroic work on the Western Front. Prior to joining the Army in September 1915 he was with John Riley & Sons, Hapton Chemical Works, Burnley.

SERGEANT CHARLES GORDON OAKES, who has been wounded in Flanders, is now an instructor in a cadet battalion. Sergeant Oakes passed the Qualifying examination in July 1915. His brother, Sergeant J. Leslie Oakes, R.A.M.C., who in pre-war days was also engaged in pharmacy, has been awarded the Meritorious Service Medal.

LANCE-CORPORAL R. V. NORTHEN, London Regiment, has been awarded the D.C.M. for an act of conspicuous gallantry thus described officially: "When a section of bombers at a block in a connecting trench had all become casualties, his prompt and determined action prevented the enemy from entering the post and gained time for reinforcements to get into position. He set a splendid example." Lance-Corporal Northen is a son of Mr. Charles Northen, chemist and druggist (trading as W. Phillipps & Co.), Lewisham High Road, London, S.E., three other of whose sons are in the R.F.A., the Middlesex, and the London Scottish respectively. The remaining son has been rejected for the Army three times. Miss Muriel Northen, their sister, now with a V.A.D. in Egypt, has been decorated with the Royal Red Cross.

Miscellaneous.

BELGIAN DOCTORS' AND PHARMACISTS' RELIEF FUND.—Among the subscriptions received since our last announcement are the following: Mr. T. Baker, 1*l.*; Mr. W. S. Howorth, 5*s.*; Mr. H. B. Morgan, 10*s.*; Mr. A. H. Bell, 1*l.* 1*s.*

ENEMY PATENTS.—British Dyes, Ltd., Huddersfield, are applying for the suspension of or for licences to use nineteen patents for dyes belonging to Farbwerke vormals Meister, Lucius & Brüning. The patents for four of these dyes are vested in the Custodian of Enemy Property.

CRUSHED LINSEED.—For some little time past there has been difficulty in obtaining supplies from crushers. The Ministry of Food have now made arrangements by which a reasonable quantity of crushed linseed is available for human medicinal purposes, but it must not be sold for veterinary use.

ENEMY TRADING-LIST.—A new list of additions to the statutory list of firms of enemy nationality or enemy association with whom persons in the United Kingdom are forbidden to trade has been issued. It comprises 117 names, 58 of which are in Mexico, among them being the Compania de Industria y Commercio de Anilinas y Productos Quimicos, Mexico City.

PAPER-SUPPLY.—As the result of a deputation from the London Chamber of Commerce to the Paper Controller, a small Advisory Committee, upon which the Drug Club was represented, was appointed to deal with the question of paper-supplies. The Paper Controller has now made arrangements for the importation of an additional 5,000 tons of paper-making material for the trade purposes required by the deputation, and this amount will be apportioned among the licence-holders.

CARDBOARD ECONOMY.—The Cocoa and Sweetmeat Box and Advertisements Order, 1918, just issued, imposes certain restrictions on the manufacture and use of cocoa and sweetmeat boxes, and on advertising in connection with such products. The Order aims at economising cardboard and paper by prohibiting extravagant forms of packing and by limiting advertisements. In particular, the use of show-cards, posters, window-bills, and packet stiffeners is prohibited, except in so far as such articles are actually in stock with the person displaying them.

OXYGEN CYLINDERS.—The War Priorities Committee of the War Cabinet, states the "Board of Trade Journal," have arranged that in future arrangements regarding suppliers' cylinders with their valves, fitments, etc., as distinct from

consumers' cylinders, will be centralised in the Central Hydrogen Department of the Admiralty. As regards the provision of consumers' cylinders, such as the small cylinders required for medical purposes in the field, and of fitments, valves, etc., the Committee have decided that such provision shall continue, for the time being, to be dealt with by the individual Department concerned in the design, except where such Department has no organisation for dealing with the provision in question, in which case the Central Hydrogen Department will be prepared to undertake such provision on application being made to them.

Use of Poison-gas.—The Germans are evincing extraordinary anxiety in their efforts to prove that they were not the first to use poison-gas in warfare. The British Ministry of Information, in referring to this enemy propaganda, states that on July 17 the German Wireless referred to "historical facts" to prove that "the idea of using poison-gas originated with the British Admiral Dundonald." It may be that Dundonald (born 1775—died 1860), an expert chemist as well as a great sailor, warned the British Government that it was possible to produce an asphyxiating gas which could be employed in military operations. That the Hague Convention of 1899, to which Germany was a party, expressly forbade the use of asphyxiating gas is sufficient evidence that the possibilities of gas were known to all the War Offices. The point is that the Allies obeyed the dictates of humanity and the rules of the Hague Convention by refraining from its use, whereas the Germans deliberately added this new horror to warfare. The German Wireless message referred to says: "Poison-gases were first used in the war on March 1, 1915, by the British and French, whereas the French and British Army *communiqués* could not announce a German attack with poison-gas until April 24, 1915." The first portion of this statement is a deliberate falsehood. If it were accepted it would imply that between March 1 (when we are expected to believe that the mind of the German General Staff was innocent of any intention to use poison-gas) and April 24 the whole elaborate preparation required for the projection of gas upon a large scale was completed, all within eight weeks. But on April 24, at the second battle of Ypres, when the yellow-green clouds of chlorine crept slowly over from the German lines, the British and French troops were absolutely unprepared. They stared uncomprehendingly, and without protection, at this strange phenomenon, until they fell, choking and gasping, with blackened agonised faces, to die without knowledge of the plague which brought them death. In Germany, at the time, the news of this surprise, with the atrocious sufferings inflicted by it on the French and British soldiers, was greeted with delight as a new triumph for Teutonic adroitness and military science. But why does the German Wireless now give the specific date of March 1, 1915, as that on which the gas had already been employed by the Allies? The answer is best given in the words of Lord French. In his report of May 3, 1915, he said: "A week before the Germans used this method they announced in their official *communiqué* that we were making use of asphyxiating gases. At the time there appeared to be no reason for this astounding falsehood; but now, of course, it is obvious that it was part of the scheme. It shows they recognised its illegality, and were anxious to forestall neutral and possibly domestic criticism." Since those early days the Germans have learned that gas is a weapon which two can use. Forced to employ it in self-defence, the Allies have done so with such effect that the Germans have had reason to regret exceedingly their departure from the rules of civilised warfare.

Military Tribunals' Decisions.

Since our Last Report the following decisions have been notified:

Barnsley.—Mr. J. W. Moorhouse, Ph.C., and Mr. W. A. Bellamy, chemist and druggist, were temporarily exempted for three months.

Bath.—The case of Mr. F. E. Cooper, chemist and druggist (*C. & D.*, July 13, p. 44), was further adjourned to August 2.

Brighouse.—The N.S.R.'s application for review in the cases of Mr. G. A. Stocks, chemist and druggist, and Mr. J. Cardwell, his assistant, was adjourned, the Tribunal holding that something more ought to be known of the West Riding Insurance Committee's view of local conditions.

Fulham.—Mr. F. H. Ledsham, chemist and druggist, was exempted for three months.

Hitchin.—Mr. R. R. Lewis, Ph.C. (Perks & Llewellyn), was exempted for three months. No opposition was offered by the Hertfordshire Insurance Committee, although Mr. Lewis is not on the panel.

Oxford.—Mr. H. O. Oddy, chemist and druggist, was temporarily exempted for three months.

Rochester.—Mr. H. B. Burr, assistant with Ostler & Co., Ltd., chemists, was exempted for three months.

Rotherham.—On review, the conditional exemption held by Mr. S. P. Billington, chemist and druggist, was confirmed.

Shanklin.—The National Service appeal against the exemption held by Mr. A. Pearn, chemist and druggist, assistant with Timothy White Co., Ltd., was dismissed.

Shoreditch.—Mr. James Maud (J. Maud & Co., compressed-tablet manufacturers) was conditionally exempted for six months.

Southwark.—Shirley Bros., Ltd., druggists' sundriesmen, applied for the exemption of a salesman, who, it was stated, had been with the firm thirty-four years, and was the only semi-skilled man in their employ. The claim was disallowed, but the salesman is not to be called up before September 1.

Stamford.—The exemption held by Mr. S. Brown, assistant with Mrs. Dickinson, chemist, was confirmed.

Weybridge.—Mr. A. Priest, chemist and druggist, assistant with Mr. E. T. Neathercoat, Ph.C., was conditionally exempted.—During the hearing of another case the applicant, a window-cleaner, asked why there were so many young men in that room. On being requested to explain, he continued: "Well, there is Mr. Neathercoat (a member of the Tribunal) sitting here. Why isn't he in the Army?" The "Daily Mail," in reporting this hearing, adds: "Mr. E. T. Neathercoat is a chemist of about thirty-eight. Exempted by reason of his calling."

Windsor.—It was stated that by agreement the notice summoning Mr. T. A. Craven, assistant with Mr. R. W. Houfe, Ph.C., for medical examination was withdrawn.

The Association of British Chemical Manufacturers.

The second annual general meeting of this Association was held at the Chemical Society's Rooms, Burlington House, Piccadilly, London, W. 1, on July 11. Dr. Charles Carpenter, D.Sc., M.I.C.E., who occupied the chair, moved the adoption of the report of the Council. He said that the Association has made satisfactory progress, and that there had been an increase in the membership. He referred to the death of Mr. R. D. Pullar and Mr. Thomas Tyrer, who were both well known in the chemical trade. The Directory of chemical manufacturers is now well in hand, the bulk of it being in the printers' hands, and a good deal of the work of translation having been done, that which was not complete being the translation into the Russian and Japanese languages and characters. The Directory would be printed in English, French, Italian, Spanish, Portuguese, Russian, and Japanese, and would thus provide for a very comprehensive circulation throughout the markets of the world of information relating to British manufacture in connection with chemical products. In regard to foreign trade, a useful system had been put into operation for placing at the disposal of members a good deal of information available at the Department of Overseas Trade and the Foreign Office. Those members who took advantage of this machinery have expressed their appreciation. In the matter of reconstruction the Council had done very useful work. The Chairman then outlined what had been done from the setting-up of the Committee appointed by Dr. Addison to advise as to the procedure which should be adopted for dealing with the chemical trade down to the present negotiations with reference to the establishment of Joint Industrial Councils. He thought the meeting would agree with him that also in dealing with the question of industrial alcohol the Association had been very helpful. When it was remembered how long it had taken to educate the Government on the technical questions connected with the use of alcohol in chemical manufacture he felt that a great advance had been made in the acceptance of the recommendations of the Alcohol Committee of the Association. An Information and Statistical Bureau had been established with the view of avoiding overlapping and waste of time and energy in research and manufacture. The Chairman referred to the appointment of Mr. W. J. U. Woolcock as General Manager of the Association, and to that of Captain G. Mount as Secretary. The appointment of suitable persons for filling those positions had been no easy matter, but these two officials were admirably suited in every way to carry out the particular duties required of them.

Lord Moulton, K.C.B., G.B.E., etc., etc., has accepted the position of President of the Association. Mr. Robert Grosvenor Perry, C.B.E., has been elected Chairman in succession to Dr. Carpenter, and Mr. J. W. Wilson, M.P., Vice-Chairman.

English and Welsh News.

The Editor would be obliged if subscribers would send him marked copies of newspapers containing items of interest for insertion in this or other news sections of the "C. & D."

Contracts.

The following Government contracts were notified during June:

WAR OFFICE.—*Calcium Carbide.*—Imperial Light, Ltd. *Chemicals.*—Johnson & Sons (Manufacturing Chemists), Ltd. *Crucibles.*—Doulton & Co., Ltd.; Graphite Plumbago Crucible Co., Ltd.; Morgan Crucible Co., Ltd.; Smith's Glasgow Crucible Co., Ltd.; J. C. Waterhouse, Ltd. *Disinfectants.*—Dussek Bros. & Co., Ltd.; S. Earle & Co., Ltd. *Medicines.*—Boot's Pure Drug Co., Ltd.; Burgoyne, Burbidges & Co., Ltd.; Arthur H. Cox & Co., Ltd.; C. M. & C. Woodhouse. *Methylated Spirit.*—Jones & Co. *Oil Drums.*—W. Clark & Sons; J. Feaver; F. Francis & Sons, Ltd. *Paraffin Wax.*—Pumpherston Oil Co., Ltd. *Photographic Stores.*—R. W. Coan; Criterion Plates, Papers, Films, Ltd; W. Day; A. Edwards, Ltd.; Foster Accessories, Ltd.; Ilford, Ltd.; T. Illingworth & Co., Ltd.; Kodak, Ltd.; E. F. Moy, Ltd.; R. W. Munro, Ltd.; North & Sons, Ltd.; Pollard & Co., Ltd.; W. Vinten; Wellington & Ward. *Sterilisers.*—J. & R. Oldfield, Ltd. *Surgical Materials.*—Allen & Hanburys, Ltd.; Arnold & Sons; Baird & Tatlock (London), Ltd.; J. Bell & Croyden, Ltd.; A. Berton, Ltd.; Cuxson, Gerrard & Co., Ltd.; A. de St. Dalmas; A. Gallenkamp & Co., Ltd.; General Surgical Co., Ltd.; J. L. Hatrick & Co., Ltd.; Haywards, Ltd.; Leslies, Ltd.; H. Lewis; S. Maw, Son & Sons, Ltd.; W. Mather, Ltd.; Mayer & Meltzer; Medical Supply Association; G. F. Merson & Co.; G. Moore; Norwich Crape Co. (1856), Ltd.; Platts Mill Co., Ltd.; T. J. Smith & Nephew, Ltd.; Southall Bros. & Barclay, Ltd.; J. Taylor & Co.; C. F. Thackray; F. Wrighton & Co.

H.M. PRISON COMMISSION.—*Soap.*—John Knight, Ltd.

The following tenders have been accepted by the bodies named:

London County Council.—Baiss Bros. & Co., Ltd., Boot's Pure Drug Co., Ltd., Burgoyne, Burbidges & Co., Ltd., Thomas Hodgkinson, Prestons & King, May & Baker, Ltd., and Willows, Francis, Butler & Thompson, Ltd., drugs.

Ludlow Guardians.—G. Woodhouse & Son, chemists, medical requisites.

Verifying Weights and Measures.

The "London Gazette," July 23, contains a new scale of fees for verifying and stamping weights, measures, and weighing and measuring instruments. The new schedule revokes the Order of January 15, 1905, and directs that the fees specified shall come into operation on October 1, 1918. The following are the charges in the case of weights and measures used by chemists:

Measures of capacity (liquid, dry, and apothecaries'): When not sub-divided each measure above 7 gals., 6*d.*; above 2 gals. and not exceeding 7 gals., 4*d.*; above ½ gal. and not exceeding 2 gals., 2*d.*; above a pint and not exceeding ½ gal., 1*d.*; not exceeding a pint, ½*d.* Each sub-divided liquid or apothecaries' measure, including the whole capacity above 8 gals., when the number of sub-divisions does not exceed 6, 1*s.* 6*d.*; exceeds 6, then for each additional 6 sub-divisions or any number less than 6, 6*d.*; above ½ gal. and not exceeding 8 gals., when the number of sub-divisions does not exceed 6, 1*s.*; when the number of sub-divisions exceeds 6, then for each additional 6 sub-divisions or any number less than 6, 4*d.*; above a pint and not exceeding ½ gal., when the number of sub-divisions does not exceed 6, 4*d.*; when the number of sub-divisions exceeds 6, then for each additional 6 sub-divisions or any number less than 6, 2*d.*; not exceeding a pint, when the number of sub-divisions does not exceed 6, 3*d.*; when the number of sub-divisions exceeds 6, then for each additional 6 sub-divisions or any number less than 6, 1*d.*

Avoirdupois and grain weights: Each weight above 56 lb., 6*d.*; above 20 and not exceeding 56 lb., 3*d.*; above 5 lb. and not exceeding 20 lb., 2*d.*; not exceeding 5 lb., 1*d.*; grain weights, each 1*d.*

Troy and apothecaries' weights: Each weight above 50 oz., 4*d.*; above 5 oz. and not exceeding 50 oz., 2*d.*; not exceeding 5 oz., 1*d.*

Birmingham.

Among the discharged officers seeking employment here are several chemists and druggists.

The sum of 50*l.* is to be deducted from the next advance payable to a panel practitioner who has refused to date his certificates of examination.

Mr. J. B. Mee, the manager of a pharmacy in Colmore Row, has passed the examination in physics and chemistry of the Conjoint Board of Physicians and Surgeons, London.

The suggestion has been made that the present mid-day closing-hour (from one to two o'clock) is badly chosen, and that an earlier or later time would better meet the public desire.

These are halcyon days for pharmacists—some pharmacists. It is said that, as the result of the recent epidemic, a suburban chemist has launched—if that is the correct term—a new motor-lorry.

Miss Doris M. H. Alcock, daughter of Mr. F. H. Alcock, F.I.C., Ph.C., passed the recent Cambridge Higher Local Examination with First Class Honours, and gained distinctions in Greek and Latin. Only five candidates in the United Kingdom secured these honours and distinctions.

On July 23, in the presence of a large gathering at the Grand Hotel, Alderman Clayton, Ph.C., presented Mrs. Osler, widow of the late Mr. Alfred Osler, with a replica of her portrait in the Art Gallery, in recognition of her services to the city. Mr. Osler founded the glassworks well known to B.P.C. visitors.

A well-known F.I.C. recently remarked to a local photographer that margarine ("march on" in the Birmingham dialect) was about as nourishing as cart-grease. (It has long been known as "waggin-fat" in Lancashire.) The "informee" communicated this dreadful tidings to the chairman of a leading company of soap-makers, who replied to the effect that their chemists know better.

Liverpool.

Mr. E. G. Hodges, the veteran *locum tenens*, is taking a month's holiday in South Wales.

There are rumours of the takings having exceeded 100*l.* a week in an average pharmacy during the recent influenza epidemic.

Owing to the scarcity of both fresh and dried fruits and of certain vegetables, there is an increased demand for lime-juice.

The five-days' shop holiday experimentally introduced with the August Bank Holiday a year ago (*C. & D.*, 1917, p. 606), found great acceptance, and is to be extended next month. No one seems to know how pharmacists are to be enabled to share this boon.

Tied to his counter for the whole year, with not even a weekly half-holiday, a central-area pharmacist, who opens on Sunday evenings, finds his sole change of scene through making Sunday morning visits to notable churches in and around Liverpool and Birkenhead. He is fond of sermon-tasting, and is a keen critic.

A healthful interest was displayed in the recent election of officers of the Liverpool Pharmaceutical Committee, and the result was: Mr. D. H. Evans (Hon. Secretary of the Liverpool Chemists' Association), Chairman; Mr. A. W. Ashcroft (first ambulance officer and Hon. Secretary of the Pharmacists' V.A.D.), Vice-Chairman; and Mr. L. Moreton Parry (Pharmaceutical Council), Secretary. Messrs. W. H. Clubb (retiring Chairman) and Mr. G. V. C. Last (retiring Secretary) were retained on the Committee.

The winner of the recent examination for the annual scholarship offered to part-time students of the Liverpool School of Pharmacy (Principal, Mr. H. Humphreys-Jones, Ph.C., F.C.S.), is Miss Shilston, Wallasey, who gained 257 marks. Mr. Percy Allnutt was second with 237 marks. The other competitors (in order of merit) were: Isomeride, Oasis, Flora, Australia, Septonian, Southern, Elliott, Prince, Trier, and Belladonna. The papers were set and examined by Mr. H. E. Harriman, chemist and druggist, a former student and demonstrator at the school, and now a sergeant-dispenser "somewhere in England." Mr. Humphreys-Jones is spending his vacation at Prestatyn.

Manchester.

The downward "curve" of the influenza epidemic in Manchester and Salford continues: from all quarters satisfactory reports are heard.

Mr. Harry Haworth, pharmacist, Stockport Road, Levenshulme, a victim of overwork following on the "flu," has been unfortunately confined to bed for some time, during which his business has been closed.

Mr. William Kirkby, M.Sc., the newly elected President of the B.P.C., has received letters of congratulation from a large number of friends. Every Manchester pharmacist is proud that the honour has fallen so appropriately.

Sheffield.

Chemists are reminded that it is necessary to have their scripts delivered at the Pricing Bureau in Glossop Road by the morning of the 4th of each month, otherwise they have to stand over until the next month.

Miscellaneous.

Sale of Food and Drugs Acts.—Among the articles examined during the past quarter by the public analyst of Poplar were fluid magnesia, arrowroot, and honey. All were reported genuine.

Window-smash.—On July 20 the steering-gear of a motor-van in Bond Street, Leeds, went wrong, and the van ran into the window of Boots, Ltd. The damage was practically confined to "the single sheet."

Institute of Chemistry.—Part III. of the Proceedings of the Institute of Chemistry deals with the Council-meetings held in April and May, and also with the extraordinary general meeting held on April 27 to consider the conditions of entrance to the privileges of the Institute. The draft rules for the formation of local Sections are also given.

Arsenic in Feeding-stuffs.—The Hertfordshire county analyst reports that, on testing a sample of calf meal submitted to him, 1.3 per cent. of soluble arsenic was found, and in moist aggregated portions of the meal there was 11 per cent. Several animals had died from eating this food, into which, evidently, some strong solution of arsenic had been poured or spilt.

Reconstruction Council Lectures.—A series of lectures, beginning on October 2, is announced by the Industrial Reconstruction Council. The lectures, which include one by Sir William McCormick, LL.D., on "Science and Industry," will be held at the Saddlers' Hall, Cheapside, London, E.C., at fortnightly intervals. A prospectus may be obtained from the Secretary of the Council, 2 and 4 Tudor Street, E.C. 4.

Poisonings.—At a Portsmouth inquest, on July 19, it was stated that Emma Hudson, who was suffering from advanced tuberculosis, took cresolene in mistake for her "tonic." A verdict of "Accidental death" was returned.—The two-year-old child of a miner named Charlton, living at Askern, uncorked a bottle of laudanum left on the table and drank the contents. At the inquest, held on July 17, the Coroner and the doctor who was called in agreed that laudanum was "a most unsuitable liniment for lumbago."—Annie Elizabeth Baker, a soldier's wife residing in Stepney, London, E., committed suicide by taking oxalic acid.

In the Courts.—At Bow Street Police Court, London, on July 23, Lily Clarkson was fined 50*l.* for having in her possession, at her flat in Francis Street, W.C., opium prepared for smoking. It was stated in the course of the police evidence that suspicious stains were noticed on the defendant's blouse, and that "a small bag" of opium was found on the premises, in addition to some prepared for smoking.—At the same court, on July 22, Henry G. Read was fined 73*l.* for failing to notify the authorities that a mare belonging to him was affected with parasitic mange, and 20*l.* for permitting the animal to be led on a public highway. Claude Inge was fined 15*l.* for causing a horse similarly affected to be driven in public.—At Blackpool, on July 22, Mr. A. S. Galloway, chemist and druggist, Church Street, was fined 10*s.* for failing to have exhibited the prescribed form specifying the assistants' weekly half-holidays.—At Mistley, on July 15, Robert J. Bloomfield was committed for trial on a charge of stealing goods, value 52*l.* 7*s.* 3*d.*, the property of his employer, Mr. C. Bayley, chemist, Frinton (*C. & D.*, July 13, p. 34). The lad's mother and sister were also committed for trial for receiving the goods.—At the Children's Court, Burton-on-Trent, recently, two lads were sent to a reformatory for four years for breaking into the premises of Hallams, Ltd., manufacturing chemists, and stealing a number of articles.

Irish News.

Brevities.

Sir Stanley Harrington, J.P., Chairman of the Cork Chemical and Drug Co., has been suffering from influenza. Sir Stanley was not able to attend any important engagements last week, but is now recovered.

The business boom owing to the influenza epidemic continues in Cork. Many houses have a large percentage of their employés down with the sickness, and as a consequence the additional work falls heavy on the staff who remain.

Complaints were made at the meeting of the Lurgan Guardians last week in regard to the great delay in obtaining drug-supplies for dispensary purposes by three of the medical officers. The Clerk stated that he had written the contractors, and they replied that they had forwarded a supply of drugs to the Portadown dispensary early in July, but Dr. Rowlett, medical officer, who attended in person, said he never got it. He only got a small consignment sent at the end of June, which only lasted three or four days. He had been obliged to turn away forty patients recently from the dispensary for want of medicines. The Guardians decided that the Clerk should communicate at once with the contractors.

Scottish News.

Brevities.

The shop-window of Mr. John Carmichael, chemist and druggist, Leslie, was recently smashed by the impact of a horse and van.

Mr. William Walker, chemist and druggist, Downfield, has resigned the position of sub-postmaster, which he has held for the past seventeen years.

A strong deputation representing the Fife Miners' Association has waited on the Secretary of Scotland to advocate the formation of a Ministry of Health.

The number of visitors to Stirling has been very large, and the local chemists are doing good business. Depleted staffs and limited stocks are the unfavourable features of an otherwise excellent season.

The Stirlingshire Western District Committee has reduced the fees that it pays to medical men for the notification of infectious diseases, but has agreed to provide stamped envelopes for such notification.

It was decided in the Falkirk Sheriff Court recently that the children of a soldier were entitled to compensation for the loss of their mother, who met her death through an accident at the chemical-works of H. C. Fairlie & Co., Falkirk. The Sheriff awarded compensation amounting to 138*l.* 9*s.*, less 8*l.* 0*s.* 3*d.*, already paid by the defenders.

Visitors to country and seaside inform chemists that in many things their charges are lower than those in the cities. The reverse was formerly the rule. The advent of retail lists has been a great help to chemists who are not in daily touch with the wholesalers, but there are still a few retailers behind the times. In one country window turpentine is still on sale at 1*d.* per oz., and two proprietaries are also inadvertently "cut."

Edinburgh.

Lieutenant Alexander D. Millar, M.C., chemist and druggist, who is a prisoner of war (*C. & D.*, June 1, p. 33), in writing home for some books, outlines a scheme of studies he has drawn up for himself.

A sign of the waning of the epidemic is the fact that an occasional National Health Insurance prescription is left uncalled for. Some day an ardent economist may devise a way of utilising all the mixtures and lotions whose rightful owners have failed to return.

The paper problem presses most, perhaps, upon those who in the long ago did not use too judiciously the free supplies eagerly sent by philanthropic owners of proprietaries. White paper (of a kind) is now nine or ten times its former value; and 31*s.* was paid the other day for a prescription-book.

Glasgow.

Private Andrew Johnston, R.E., has contributed to the "Ardrossan and Saltcoats Herald," over the signature "Ajay," an article on Botulism and a descriptive sketch entitled "The Flanders Square." Private Johnston was in civil life a chemist's assistant in Glasgow, where he has many friends.

A "Glasgow Evening Times" correspondent states that while in a chemist's shop he saw a customer rush in and deposit 2 lb. of fish, in exchange for which he demanded a strong pick-me-up. The resourceful chemist (rather fond of fish) made up a concoction evidently satisfactory to the palate of the bibulous one; and the barter was cemented by a hand-shake and the promise of more business.

The Lyons Fair.—When in 1915 some citizens of Lyons endeavoured to organise a Fair in their city which would be capable of competing with the Leipzig Fair, the German Press treated the project with ridicule. The initiative of the City of Lyons has, however, been well rewarded, and the annual Fair is likely to become a serious competitor to that of Leipzig. In 1916 there were 1,199 exhibitors, in 1917 2,073, and 1918 3,176. The business done in 1916 amounted to 52,000,000fr., and in 1917 to 180,000,000fr. It is certain that the present Fair which is just opening will surpass even this record. M. Clémentel, the Minister of Commerce, who performed the opening ceremony, is laying the foundation-stone of the new permanent building in which the Fair will be located in future. This palace is to be built on a site covering an area of 120,000 square metres. The building will have three floors, and will accommodate 7,000 stands.

Legal Reports.

Honey Contract.—Referring to the case of Gamage *v.* Scaliaris and Mason & Co., Ltd. (*C. & D.*, July 13, p. 35), Mr. N. L. Scaliaris asks us to state that he tendered, through his bankers, the bill for acceptance to Messrs. Gamage, and that the bill was accompanied by the D/O of the goods, made out in the name of A. W. Gamage, Ltd. Mr. Bradfield, assistant manager of the London City and Midland Bank, Ltd., gave evidence to that effect.

Sulphide of Sodium Contract.—In the King's Bench Division on July 24, Mr. Justice Roche had before him an action in which Mann & Cook, of London, were the plaintiffs and the British and French Chemical Manufacturing Co. the defendants, when the plaintiffs claimed 255*l.* awarded by an arbitration relating to a breach of contract to deliver 15 tons of sulphide of sodium. The contract was entered into in June 1918, one of the terms being that in the event of any dispute arising as to the delivery it should go to arbitration. When disputes did arise the arbitrators were appointed in the usual way, and they, being unable to agree, an umpire was appointed, with the result that the defendants were held to be liable to the extent of 240*l.* in respect of the breach by non-delivery and 15 guineas, the umpire's fees. During the hearing defendants' counsel admitted the contract, and withdrew a plea that the award was illegal on the ground that the arbitrators had gone outside the reference in construing the contract. Evidence was given in support of the plaintiffs' case, and in the result his Lordship held that the defendants had failed to deliver according to contract, and that the arbitrators' award must stand. He therefore gave judgment for the plaintiffs for the amount claimed, with costs.

Alleged "Passing-off" Case.—In the Chancery Division on July 24, Mr. Justice Peterson commenced the hearing of an action brought by Freeman's Veterinary Chemists, Ltd., 18 Icknield Street, Birmingham, manufacturers of and dealers in veterinary remedies, and for an injunction restraining J. & E. Freeman, Ltd., 109 Icknield Street, Birmingham, from selling preparations not of plaintiffs' manufacture under the name of Freeman, or Freeman's, so as to mislead the public and cause injury to the plaintiffs' business. The plaintiffs also alleged passing off and tampering with their labels. The defendants denied all the allegations, and challenged the right of the plaintiffs to the exclusive use of the name in dispute. Mr. Colefax, K.C., for the plaintiffs, said that their veterinary compounds were invented by Mr. Wm. Marshall Freeman, a qualified chemist, and now a member of the Bar, and had been sold by the plaintiffs and their predecessors for the last twenty-five years under the name of Freeman, or Freeman's, which had acquired a secondary meaning, and meant the goods of the plaintiffs. The case for the defendants was that Mr. William Marshall Freeman was not the originator of these preparations but his father, the late Mr. John Marshall Freeman, a well-known pharmaceutical chemist and authority on animal diseases. Counsel proceeded to refer to several instances of alleged passing-off, and called witnesses, who stated that in response to orders for Freeman's goods they were supplied with something different. They had known Mr. John Marshall Freeman as a pharmaceutical chemist, but not as a veterinary chemist. Experts in the breeding of poultry, dogs, pigeons, and rabbits were called to say that in their line Freeman's remedies meant the preparations of Mr. William Marshall Freeman. The hearing was adjourned.

Action against the British Medical Association.—Mr. Justice McCardie, in the King's Bench Division this week, has continued the hearing of an action in which Drs. Pratt, Burke, Holmes, and Cairns are claiming damages for alleged libel, slander, and conspiracy against the British Medical Association and Drs. Lowman, Pickup, Orton, and Webb Fowler, who are members of the Coventry division of the Association (see *C. & D.*, July 20, p. 38). This week the defence has been submitted to the Court. Mr. McCall, K.C., explained that the defence was placed under six headings: (1) There was no illegal conspiracy, (2) there was no illegal conspiracy causing damage to plaintiffs, (3) there was no defamation of plaintiffs by either a libel or slander, (4) there was privilege for all publication, (5) there was no expressed malice, (6) defendants were not liable as agents from the individual acts of members of the Association. On the question of conspiracy he contended that the Association as a corporation could not be proceeded against. Evidence was given by Dr. Alfred Cox, the Medical Secretary to the British Medical Association, 429 Strand, W.C., who stated that the members of the Association numbered 23,000. It was estimated that there were 33,000 medical practitioners in the United Kingdom. The Association had never claimed more than to pass judgment on questions of conduct on matters not so serious as to require the attention of the General Medical Council. The Association also desired to organise medical opinion instead of each member acting according to his "own sweet will." Social ostracism was not part of the policy of the British Medical Association. Evidence was also given by Drs. J. Orton and Wm. Jas. Pickup, two of the defendants, who denied the allegation of conspiracy, or that they were animated with any malice towards plaintiffs. What had been done was solely in the interests of the profession. The hearing of the action is expected to finish on Monday next.

Saccharin Case.—In the King's Bench Division on July 24, before Mr. Justice Bailhache, sitting as Commercial Judge, an action was heard, brought by the Castle Tablet Co., Ltd., Barnsbury, London, N., to recover damages from Mr. J. Lorimer, 10 City Road, E.C., for breach of contract in respect of the non-delivery of 28 lb. of saccharin. Defendant denied liability. Mr. A. Richardson, M.P., appeared for plaintiffs, and defendant was represented by Mr. T. Mathew. Plaintiffs' case was that they were the buyers of the saccharin to make into tablets. Mr. Edwards, a director of the plaintiff company, got into touch with the defendant, and hearing he had 28 lb. of saccharin for sale, offered to purchase at 275*s.* per lb. The offer was accepted, and plaintiffs sent a written order, naming this quantity and price, and saying the saccharin was to be of 550 strength. It was admitted the saccharin was not delivered, and the defendant now pleaded that plaintiffs themselves repudiated the contract, and further, that he was not liable under certain clauses of the contract, which excused him if the American exporters could not get the necessary licence. The contract was contained in two letters dated February 11 and 15, 1918. The first of these confirmed the sale of the goods, but mentioned only 14 lb. as the amount to be delivered. The second amended the amount to 28 lb. Counsel for plaintiffs, however, suggested that defendant had accepted contracts to supply over 70 lb., whereas his consignment on ship was only 50 lb. In the course of later correspondence between the parties defendant wrote to plaintiffs calling attention to the fact that a controlled price of British saccharin had been fixed at 134*s.* Then plaintiffs, who were being pressed by the firm who had ordered the tablets for completion of the contract, wrote to defendant, asking for delivery of the saccharin at once or else they should have to buy in the open market against the defendant. Defendant said this was tantamount to a repudiation of the contract, and did not deliver the parcel. Mr. Edwards, one of the plaintiff company's directors, said in order to complete their contract with a wholesale firm of dealers he had to buy saccharin in the open market at 340*s.* per lb. In cross-examination the witness said he saw THE CHEMIST AND DRUGGIST quotations for British saccharin at the time the controlled price was fixed, but he could not have obtained any, because if he had he should have had to give the Government an undertaking that he was supplying the tablets to the retail trade. His Lordship, after hearing the arguments, said he could not hold there was a repudiation of the contract on the part of the plaintiffs, and gave judgment for them for 49*l.*, with costs on the High Court scale.

Bankruptcy Report.

Re Harry Saville Thorne, 5 Finkle Street, Selby, described as a chemist.—The following are among the creditors in this case (*C. & D.*, July 20, p. 37): Ayrton, Saunders & Co., Ltd., 99*l.*; Bristow & Co., Ltd., 25*l.*; D. & W. Gibbs, Ltd., 12*l.*; Goodall, Backhouse & Co., 19*l.*; J. R. Hebditch, 333*l.*; Kodak, Ltd., 14*l.*; Marion & Co., Ltd., 13*l.*; Quilliam & Co., Ltd., 44*l.*; Raimes & Co. (York), 21*l.*; Robinson, B., & Co., Ltd., 10*l.*

PERHAPS the quaintest demand during the recent epidemic was a written order for a small quantity of "murderous spirit."

CHINESE OPIUM TRADE.—The "North China Daily News" publishes a startling account from Tatsienlu of the large native opium traffic between Yunnan and Western Szechuan. The trade is largely clandestine, not from fear of the law, but in order to avoid perquisitions by officials, who look upon opium as a regular source of revenue. Last year the trade suffered a diminution owing to the heavy exactions of military commanders to pay their troops, but this year the opium-trade outlook is good, as the cultivation has been greatly increased. Traders' profits amount to anything up to 200 per cent. In several districts in Szechuan, Kuangsi, and Yunnan an extensive cultivation has been going on.

New Companies
and Company News.

P.C. means Private Company and R.O. Registered Office.

EDGAR A. MARSHALL (MANCHESTER), LTD. (P.C.).—Capital 3,000*l.* Objects: To take over the business of dealers in chemicals, dyes, and colours carried on at 519-521 Produce Exchange, Manchester, by E. A. Marshall. R.O., 519-521 Produce Exchange Buildings, Hanging Ditch, Manchester.

IRON-OX REMEDY CO., LTD. (P.C.).—Capital 3,000*l.* Objects: To carry on business as manufacturers and vendors of patent medicines, drugs, chemicals, and proprietary articles, etc. The subscribers are A. Lund, Alexander Hotel, Hyde Park Corner, London, S.W. 1, and F. H. H. Samuel, 31-34 Basinghall Street, London, E.C.

TABLEAU, LTD. (P.C.).—Capital 5,000*l.* Objects: To carry on the business of oil and colour men, chemists, druggists, dyers, enamellers, drysalters, importers and manufacturers of and dealers in pharmaceutical, medicinal, chemical, mineral, industrial, and other preparations and articles, etc. R.O., 2 Broad Street Buildings, London, E.C.

POTTS SCOTT'S SYNDICATE (1918), LTD. (P.C.).—Capital 7,500*l.* Objects: To acquire a limited exclusive licence to use a certain trade-mark, to establish a business in connection therewith for the purchase and sale of certain compounds manufactured by secret processes, the invention of H. Potts Scott and C. Potts Scott, and to carry on the business of producers, importers, exporters, and manufacturers of and dealers in chemical, industrial, and other preparations. Solicitors: Francis & Johnson, 19 Great Winchester Street, E.C. 2.

W. J. BUSH & CO., LTD., have declared a third interim dividend of 2½ per cent., making 7½ per cent. so far on account of 1917.

AERATORS, LTD., have declared a dividend of 6 per cent. per annum (7½*d.* per share), less tax, on preferred ordinary shares for half-year ended June 30, 1914.

AMMONIA SODA CO., LTD.—The directors have declared three years' dividend on the 6 per cent. preference shares, bringing the payment to January 31, 1918, and carry forward 10,262*l.*

NEW TRANSVAAL CHEMICAL CO., LTD.—The directors have declared interim dividends for the half-year ended December 31, 1917, of 3 per cent., less tax, on the cumulative first preference shares and of 4 per cent., less tax, on the cumulative "A" preference shares.

MOND NICKEL CO., LTD.—The directors recommend dividends for the year to April 30 at 7 per cent., less tax, on the preference shares, less the interim dividend already paid, and a final dividend of 3*s.* per share, free of tax, on the ordinary shares, in addition to the interim dividend on ordinary shares already paid.

A. J. WHITE, LTD.—The annual general meeting was held on July 4 at the Memorial Hall, Farringdon Street, E.C., Mr. J. Taylor Marsh (Chairman) presiding. In moving the adoption of the report and balance-sheet (*C. & D.*, June 29, p. 38) the Chairman said the company had again passed through a financial year of extraordinary difficulty, and, considering the conditions under which they have been working, the shareholders will feel satisfied with the result of the year's trading. In England, in the Colonies and elsewhere, business has been well maintained. The report was carried unanimously.

THE NATIONAL METAL AND CHEMICAL BANK, the formation of which has recently taken place, has issued a circular setting forth the progress which it has made, and explaining its policy and scope of operations. The bank has already acquired extensive interests in undertakings producing iron ore, coal, and the principal non-ferrous metals, and through its associated concerns is in a position to arrange for the smelting and refining of gold, silver, lead bullion, lead ore, zinc ore, hard zinc, etc., and to supply all descriptions of manufactured lead, manufactured zinc, and alloys. The bank is also largely interested in chemical undertakings producing dyes of all kinds and sulphuric acid in large quantities, and in superphosphate works in course of construction. The bank is prepared to advise, either directly or through other banking institutions, in regard to mining operations, metallurgical processes, the purchase and sale of intermediate products, the briquetting and sintering of fine ores, the erection and organisation of works connected with any department of the base-metal industry, or in regard to labour problems and welfare work generally. The bank is not a bank in the ordinary sense of the term. It does not take deposits from the public, and the whole of its capital has been privately subscribed.

Westminster Wisdom.

By the "C. & D." Parliamentary Representative.

MEDICAL GRADING.

Mr. Macpherson, Under-Secretary of State for War, stated in the House of Commons on July 18 that recruits of the new military age who were enlisted on or subsequent to April 18, 1918, will have their grades translated into military categories as follows: Grade 1 to be Category B 1; Grade 2 to be Category B 2; Grade 3 to be Category B 3.

UNREGISTERED DENTISTS.

Mr. Macpherson stated in the House of Commons on July 22 that unregistered dentists who enlist in the Army are employed as dental mechanics when their medical categories preclude their enlistment into combatant units.

VETERINARY RESEARCH.

Sir Richard Winfrey informed the House of Commons on July 22 that the Board of Agriculture have a research laboratory at Addlestone, near Weybridge, at which already several scientific investigations have been undertaken. The chief of these are in regard to louping-ill and the poisoning of cattle by ragwort and by bracken. The laboratory also prepares and sends out anti-swine-fever serum.

GAS RESIDUALS.

Sir L. Worthington-Evans stated in the House of Commons on July 18 that the Government buy certain of the products obtained from gas residuals. The prices given for the most important of these are as follows: Toluene, 3*s.* 4½*d.* per gal.; standard benzol, from 10¾*d.* to 1*s.* 0½*d.* per gal.; pure benzol, from 1*s.* 6*d.* to 1*s.* 7*d.* per gal.; creosote, 75*s.* per ton minimum, varying prices up to 103*s.* per ton being allowed for certain grades. Buying and selling of these substances in the open market is not permitted; therefore no comparison of prices is possible.

IMPORT OF DYES.

In the House of Commons on July 24, Mr. C. T. Needham asked the President of the Board of Trade whether in connection with the licensing authority for the import of dyes which he proposes to set up he contemplates forming a fully representative Dye Consumers' Committee, and whether special regard will be paid to the interests of the smaller consumers of dyes.

Sir Albert Stanley replied that it is intended that the licensing authority shall consist of equal members and representatives of dye-users and dye-makers, with an independent chairman appointed by the Board of Trade. Every care will be taken to secure that the needs of the small consumers shall receive full consideration.

DENTISTS ACT COMMITTEE.

Our Parliamentary correspondent is informed by Mr. F. D. Acland, M.P., the Chairman of the Departmental Committee which is inquiring into the Dentists Acts and the position of the unregistered dentist that his draft report is now in course of preparation. As soon as it has been printed and circulated among the members the Committee will meet to consider its terms. It is hoped that the final conclusions of the Committee may be in the hands of the Lord President of the Council before the adjournment, although some delay has occurred in consequence of the fact that Mr. Acland is also Chairman of the Select Committee which has been inquiring into the luxury-tax.

PRICES OF SALVARSAN.

In reply to a question in the House of Commons on July 23, Mr. Wardle stated that the licences which have been issued under the Patents, Designs, and Trade-marks (Temporary Rules) Acts in respect of the patents covering salvarsan and neosalvarsan prescribe maximum but not minimum prices. The maximum prices laid down for supplies of these products to Government Departments are the following:

SALVARSAN. Quantities in Grams.	s.	d.	NEOSALVARSAN. Quantities in Grams.	s.	d.
0·1	1	0	0.15	0	9
0.2	2	0	0.3	1	6
0.3	3	0	0.45	2	3
0.4	4	0	0.6	3	0
0.5	4	6	0.75	3	9
0.6	5	0	0.9	4	6
1.0	9	0	1.5	7	6
2.0	17	0	3.0	14	3
3.0	25	0	4.5	21	0

Similar charges are made to local authorities who use the drug under the Government scheme.

Birth.

BAXTER.—At 5 Landseer Avenue, Bramley, Leeds, on July 18, the wife of Ronald W. Baxter, chemist and druggist, of a son.

Marriages.

EVANS—JONES.—At St. Luke's, Poulton, Wallasey, on July 19, Robert Arthur Evans, chemist and druggist, only son of Mr. Robert Evans, Fron, Denbigh, to Margaret, daughter of Captain E. Jones, Terfyn, Port Dinorwic. Present address: 129 Brighton Street, Seacombe.

EVANS—THOMAS.—At Sardis Congregational Chapel, Pontypridd, on July 23, Trefor Emrys Evans, Ph.C., Ferndale, to Tilley Thomas, L.R.A.M., Ton Pentre.

FRANCIS—STEPHENS.—By special licence, at Charles Street Congregational Church, Cardiff, on July 17, by the Rev. Philip Rogers, assisted by the Rev. J. Roberts, Aaron Francis, chemist and druggist, New Tredegar, son of the late Mr. A. Francis, Bodlondeb, Llanidloes, to Mary, daughter of the late Captain Stephens, St. Dogmell's, Pem.

NEWELL—CAMBRIDGE.—At the First Presbyterian Church, Carrickfergus, on July 17, by the Rev. A. Cuthbert, Robert T. Newell, B.A., Headmaster, Omagh Model School, to Annie Alexandra, third daughter of Mr. Robert Cambridge, J.P., chemist and druggist, Carrickfergus, ex-President of the Chemists' and Druggists' Society of Ireland.

WILSON—BOOTH.—At Heaton Baptist Chapel, Bradford, on July 17, by the Rev. R. Howarth, Gilbert Henry Wilson, elder son of Mr. C. W. Wilson, Royds Cliff, Heaton, to Mary D., eldest daughter of Mr. J. J. Booth (Booth & Co., wholesale druggists), Idle, Bradford.

Deaths.

ETTLES.—At 114A Harley Street, London, W., on July 19, Wm. J. McCulloch Ettles, M.D., F.R.C.S., aged forty-nine. Dr. Ettles specialised in ophthalmic surgery, and was well known to London opticians on account of his connection with the Spectacle-makers' Company as examiner, and the Institute of Ophthalmic Opticians. As the son of a chemist, he had a sympathetic attitude to chemist-opticians. He had been President of the Optical Society, and was Lecturer on the Physiology of Vision at the Northampton Polytechnic Institute, Clerkenwell, E.C. His death took place after a serious surgical operation.

HALLAWAY.—At 22 Portland Square, Carlisle, on July 22, Elizabeth Margaret, widow of John Hallaway, Ph.C., aged sixty-seven.

JAMISON.—At Belfast, on July 18, Mr. William Jamison, chemist and druggist, chairman of Shaw & Jamison, Ltd., wholesale druggists, Townhall Street, Belfast, aged eighty. Mr. Jamison served his apprenticeship with the late Mr. William Dobbin, North Street, Belfast. After representing for some years in the North and North-West of Ireland the Dublin firm of McMaster, Hodgson & Co., he returned to Belfast in 1883, and, with Mr. Thomas Shaw, J.P., founded the business of which he subsequently became the head. Until recently Mr. Jamison took a prominent part in the affairs of the trade. He was elected President of the Chemists' and Druggists' Society of Ireland in 1906, in succession to the late Sir James Haslett, and during his occupancy of the chair contributed to the discussion evoked by the Poisons and Pharmacy Act, 1908. From 1899 to 1917 he was a member of the Council of the Pharmaceutical Society of Ireland. A man of sterling character, he was highly respected in pharmacy. He leaves a widow, three sons, and a daughter—one son, Mr. R. A. Jamison, R.I.R., R.D., being an Honorary Secretary of the Chemists' and Druggists' Society of Ireland. The funeral took place on July 20.

MR. WILLIAM JAMISON.

JONES.—At the Square, Warrenpoint, co. Down, on July 21, Mr. Robert Alexander Jones, Ph.C., aged eighty. Mr. Jones, whose apprenticeship was served in Armagh, spent the greater part of his life in Warrenpoint, where he carried on a successful business. Latterly he had been assisted by his son, Mr. R. A. Jones, Ph.C. At one time he held the postmastership of the town, in which he was well known as a man of strong personality. The funeral took place at Clonallan on July 23.

SYKES.—At 68 Lower Bank Road, Fulwood, Preston, on July 8, Mr. William Arthur Sykes, chemist and druggist, aged twenty-four.

WESTMORELAND.—On July 12, Dorothy, second daughter of Mr. W. H. Westmoreland, chemist and druggist, 311 High Street, Chatham, aged twenty-three.

WHITTAKER.—At Roefield, Clitheroe, on July 17, Mr. Christopher Joseph Whittaker, chairman of the United Indigo and Chemical Co., Ltd., Cooper Street, Manchester, aged fifty-eight.

YOUNG.—At 33 Danes Hill Road, Leicester, recently, Mr. Joseph Young, Ph.C., aged seventy-four. After passing, in 1870, both the Minor and the Major examinations, Mr. Young was for some years associated with the late Mr. Goddard. When, eventually, Mr. Goddard turned his attention to the manufacture of plate-powder, Mr. Young opened the pharmacy in Gallowtree Gate now carried on as Joseph Young & Sons. Mr. Young was a man of many and varied interests. He was a member of the British Numismatic Society, and one of the founders of the Leicester Philatelic Society. He had compiled a register of the Regal coins of the United Kingdom from the earliest times to the reign of George III., and was till his last illness engaged in bringing this work down to the present day. He was also a P.M. of the John o' Gaunt Lodge of Freemasons, and last year was a Standard Bearer of the Grand Lodge of England. His sons, Messrs. F. J. Young, Ph.C., and A. E. Young, Ph.C., have succeeded him in his business. The funeral took place at Leicester on July 18, the Leicester and Leicestershire Pharmaceutical Association being represented by Messrs. W. T. Hind (President), Walter Rowe, and E. B. Ward.

Died on Service.

AINSWORTH.—Private George Ainsworth, Royal West Kent Regiment, has been killed on service. Prior to joining the Colours Private Ainsworth was with James Woolley, Sons & Co., Ltd., Victoria Bridge Street, Manchester.

FOSTER.—Lance-Corporal Cecil Foster, King's (Liverpool Regiment), has died of wounds received in action, aged nineteen. Prior to joining the Forces Lance-Corporal Foster was with William Blythe & Co., Ltd., manufacturing chemists, Church, Lancs.

GILMAN.—Lieutenant Ronald John Gilman, Yeomanry, died in hospital in France of cerebral meningitis, on July 15, aged twenty. Lieutenant Gilman was the son of Mr. Harry Gilman (Joseph Gilman & Son, Ltd., drug-merchants, Stafford Street, Birmingham).

KINHEAD.—Rifleman Alfred Harper Kinhead, Royal Irish Rifles, was killed in action in France on March 28, aged twenty. Rifleman Kinhead was the youngest son of Mr. Andrew Kinhead, R.D., Belfast.

NORRIS.—Private Harold Norris, East Lancashire Regiment, has been killed in action. Prior to joining the Army Private Norris was with the Saxon Chemical Co., Radcliffe, Manchester.

Business Changes.

MR. XENO JEPSON, chemist and druggist, the Rockingham Pharmacy, Sheffield, is relinquishing business, and is offering his fittings for sale.

THE BUSINESS carried on till recently by the late Mr. A. G. Milner, chemist and druggist, at 24 New Cross Street, West Bowling, Bradford, is being offered for sale as a going concern.

EKINS & FISHER, chemists, St. Albans, have, on account of the release of Mr. T. H. Fisher, chemist and druggist, for military service (*C. & D.*, July 13, p. 44), closed their branch at 145 Victoria Street.

CARTAGENA IPECACUANHA.—The value of ipecacuanha exported from Colombia in 1916 was $167,219, and in 1917 this fell off to $52,352.

Personalities.

Mr. Struan Bain, son of Mr. John Bain, Ph.C., Bridge of Allan, has passed the first-year medical examination at Glasgow University.

Mr. W. H. Veno, chairman of the Veno Drug Co., Ltd., has been presented by the Committee of the Manchester Column Club with his portrait in oils.

Baron Glanely has subscribed 25,000*l.* to the funds of University College of South Wales and Monmouthshire, to be devoted towards the erection of a chemical laboratory.

Information is desired by Mr. G. D. Lumb, solicitor, 63 Albion Street, Leeds, concerning Mr. John Fuller Spong, a chemist's assistant, who is said to have left Leeds about the year 1889.

Mr. L. B. Rowland, chemist and druggist, High Street, Wrexham, has been placed on the Commission of the Peace for the county of Denbigh. Mr. Rowland is Mayor of Wrexham for the third year in succession.

Mr. H. Jephcott, Ph.C., has been awarded the degree of Master of Science in the University of London. The subject chosen for his thesis was the physical chemistry of nicotine. Mr. Jephcott passed the Major examination in 1916.

Miss Bessie Morrison Davidson, daughter of the late Mr. Alexander Davidson, Ph.C., and Mrs. Davidson, High Street, Montrose, has gained First Rank, first place (with medal) in materia medica and therapeutics, First Rank, first place (with medal) in practical pharmacy, and First Rank in surgery, in the recent examinations at St. Andrews University for the M.B., Ch.B. degrees.

Mr. H. Bown, the new Secretary of the Sheffield Pharmaceutical and Chemical Society, is one of the youngest local men in business, and very progressive. He was born in Sheffield, and was apprenticed to Mr. Bernard Ellis, afterwards joining the Westminster College, where he secured the silver medal in pharmacy and dispensing. After qualifying in 1913, he held an assistantship with Foster & Dallis, Lavender Hill, before taking up his present business, which is one of the oldest in Sheffield, and is now run on modern lines.

Mr. Samuel W. Fairchild (Fairchild Bros. & Foster) recently addressed the French-American Chamber of Commerce, New York, on Franco-American commercial relations. As Vice-President of the French Institute of the United States and Chairman of the "Committee on Internal Trade and Commerce, Chamber of Commerce, State of New York," Mr. Fairchild gave an authoritative as well as a comprehensive survey of the past and present import and export regulations existing between the two countries. He is of opinion that trade between France and America "is being conducted under wholly inadequate agreements," and adds that on a basis of population "every Frenchman purchases twice as much of American goods as every American purchases of French goods." One of his concluding remarks is significant. Among those now fighting in France, he says, are "many of America's future business leaders. These will all learn French customs, institutions, the French language, and, above all, the French spirit."

Mr. W. J. Uglow Woolcock, O.B.E., Ph.C., barrister-at-law, was on July 19 presented with a silver tea-kettle subscribed for by the members of the Pharmaceutical Society's staff at 16 and 17 Bloomsbury Square, London, W.C. The proceedings, which began with tea, took place in the Society's examination hall, and were presided over by the Secretary of the Society (Mr. W. S. Glyn-Jones), who spoke in glowing terms of the harmonious relations which had subsisted between Mr. Woolcock and every member of the staff, all of whom, while sorry to part from him, were proud to know that he was going to fill such a high and honourable place. Their united desire and prayer was that his success in life might grow from more to more. The Society's cashier, Mr. Jones, who has served under four Secretaries, then handed the silver kettle to Mrs. Woolcock. In the course of a graceful acknowledgment, Mr. Woolcock said that when he entered the Society's service he was raw and inexperienced, and had to depend on the guidance of all grades of the staff. After citing instances of the assistance and support he had received, he congratulated the staff on having as his successor Mr. Glyn-Jones, who had long been a familiar presence in their midst. He concluded by assuring the subscribers to the testimonial that whatever of good or evil might be in store for his wife, family, or himself, it would be a lifelong source of gratification and inspiration to them to recall and dwell upon all that was symbolised by the gift of the staff which had passed into his wife's keeping.

Trade Notes.

Honey.—J. Woodhead & Co., 16 Lord Street, Liverpool, offer five varieties of honey in bulk packages. The prices are quoted in the firm's advertisement.

Holiday Notice.—The premises of W. Woodward, Ltd., 79 Fortess Road, London, N.W. 5, will be closed for the holidays from July 29 to August 6, inclusive.

Zinyl Synthetic Otto.—On account of the higher cost of production H. E. Stevenson & Co., 122 Great Suffolk Street, London, S.E. 1, announce that the price of synthetic otto of rose, "Zinyl" brand, has been advanced to 21*s.* per oz.

Price-list.—The July issue of the price-list issued by Ayrton, Saunders & Co., Ltd., Liverpool, deals with drugs, chemicals and pharmaceutical products, sundries, packed goods, tablets, pills, and capsules. Those chemists who have not received a copy and desire to do so should send a post-card intimation to the company.

Hawley's I.K.—There appears to have been some inconvenience caused through a faulty figure in the advertisement of Evans Sons Lescher & Webb, Ltd., in The Chemist and Druggist, July 20. In showing the profit on sales for Hawley's I.K. the 6 of the "62.2 per cent. on cost" was partially obliterated. Chemists will be glad to note that a clear profit of over 60 per cent. is shown.

Toilet Specialities.—An attractive selection of toilet preparations—all possessing the indefinable French touch—has been submitted to us by Orela, Ltd., 37 Berners Street, London, W. 1. The packages, particularly for the face-powder series, are very *chic*, and should sell on sight. Moreover, the prices are not high, a very nice poudre de riz selling at 7½*d.*, and bearing a profit of 3*d.* to the retailer. The company specialise in "own-name" face-powder, and they are open to blend perfumes, toilet-powder, and other like requisites to customers' requirements. These they can also supply ready packed in artistic containers with customer's name and address for orders of one gross. Besides their standard "Delysia" series, other recent lines which attracted us were "Poudre de Perles," "Poudre Queen Alexandra," "Scarlet Pimpernel Poudre de Riz," and "Lait de Lys," a skin-food milk. Besides being perfumers the company distil essential oils for perfumery manufacture. The business of the Parfumerie aux Fleurs de France has been incorporated in this company, and Mr. L. Mirener is one of the directors.

Popular Pulverettes.—Oppenheimer, Son & Co., Ltd., 179 Queen Victoria Street, London, E.C. 4, write: In the *C. & D.*, July 13, we advertised pulverettes of quinine and cinnamon for use in the treatment of the influenza that is prevalent to such an extent at the present time, and we would like to apologise to the many friends who have been good enough to send us orders for these goods whose commands we have not been able to execute. It may interest you to know that on Saturday and early Monday we received more than 1,000 orders for these, which of course were executed from the stock that we had purchased prior to there being a boom for anything containing these two ingredients. We thought that under normal circumstances we would have quite a sufficient stock of the ingredients to supply the demand, but unfortunately that was not the case; we had to obtain further supplies at enhanced prices, and consequently we were obliged to increase the selling price accordingly. The large majority, after we communicated with them, understood the reason, and confirmed their orders at the increased rates, which we have been able to execute by degrees.

Information Department.

INFORMATION WANTED.

132/58. Thackray's aseptic first-aid cabinet
134/42. "Perfectease" truss
127/41. Bonjean's female pills
132/54. "Perfection" adjustable binder
123/23. "Lister" purifying water-bag
133/60. Sirop neuro-tonique
127/16. Gold pencil for gilding teeth
127/41. "Dorina" face-powder

INFORMATION SUPPLIED.

Blood albumen, 131/21
Cannon's size, 103/74
"Cargentos," 115/11
"Cynta" specialties, 90/27
De Jongh's cod-liver oil, 96/33
"Delta" urethral syringe, 123/56
"Marylebone" cream, 98/57
Medicinal herbs, 86/72
Powder leaflets, 106/18
Quinidine, 65/10
"Semprolin," 113/3
"Septonal," 78/7
"Snowfire" tablets, 91/42 and 169/67
"Sotol," 221/23
Whittemore's "Quickwhite," 69/56
"Winged Lion" brand eucalyptus oil, 48/36

Observations and Reflections

By Xrayser II.

The Submission of the Organisation Report to the North British Branch and the local Associations, though in some sense a sign of grace, is none the less a confession of weakness on the Council's part, a putting of the cart before the horse, an asking of the tail to wag the dog; for it is an invitation to these bodies to do what the Council did not dare to do, to give it the lead it was afraid to take. This would not, perhaps, matter (since the Council represents very imperfectly the wisdom of the craft) if all the aids to the consideration of the report which it possesses had been given to the Associations, but it would be unreasonable to expect from these, however much more closely in touch with the feeling of the electorate they may be, any new light on a subject so imperfectly presented to them. I hope they will speak their mind on the way in which the business has been dealt with at headquarters, and will refuse to be made a catspaw for getting Mr. White's chestnuts out of the fire. We may at least expect to hear them discuss the report, and so arrive indirectly at a knowledge of its real proposals.

I am Glad to Hear that a copy of the pamphlet "The Statutory Restrictions on the Sale of Poisons" has been sent to the Clerks of Insurance Committees, and I earnestly hope these officials will take care that its significance is brought home to local Tribunals and Military Representatives. It shows as nothing else does the absolute indispensability of the chemist, and shows it in a form that will appeal to the authorities with whom the decisions rest. Members of Tribunals are not usually panel patients, and the needs of these are to them a tale of little meaning comparatively. A leading member of a Tribunal to whom I submitted the pamphlet evidently found it an eye-opener; indeed, it is something of the sort to a good many chemists themselves; it makes them realise their responsibilities as they had not done before.

The Amalgamation of the Face Values Committee with the similar Committee of the Proprietary Articles Trade Association is a matter for sincere approval. It shows the way in which apparent opposition to official methods ought to be met. To suppress rivalry in a common cause—as even our Pharmaceutical Council has almost been constrained to admit, and ought to have openly acknowledged long since—is stupid; however we may differ as to methods, when our interests and objects are the same it is a mark of true statesmanship to seek for some *modus vivendi* by which friction (which always means a loss of power) may be avoided, and all the energy of the whole body directed harmoniously to the attainment of the common object. The P.A.T.A., as Mr. Glyn-Jones's speech showed, has a sufficiently long row to hoe as it is, and needs all the support of all its members. The supply of proprietaries by maternity and other similar Associations at impossible prices is a scandal that must be stopped, even (if necessary) by the ejection of such proprietors as lend themselves to it from the P.A.T.A., for it amounts to a going back from the engagements made with that Association. I am not suggesting that proprietors have hitherto consciously lent themselves to it, but, the abuse having been made public, they ought now, whatever view the Government Departments may take, to refuse to allow it to continue.

The Chemists' Defence Association is well advised in making arrangements for the inclusion of veterinary risks in the general subscription. These risks are not peculiar to country members; of the three cases referred to in the address of Mr. Rowsell at the annual meeting two were as likely to have occurred in any large town as in a country district, and I have always regarded the objection of urban members to the inclusion of such risks as both short-sighted and invidious. That the new departure may necessitate a slight raising of the general subscription is likely enough, but in any case one subscription ought to cover all the risks of any member. Those country members who incur extraordinary veterinary risks, in all probability incur fewer risks of other kinds; on a fair comparison risks may be regarded as numerically equal in town and country.

The Patents Section recently added to Mr. Charles Philip's invaluable Standard Retail Price List, incomplete and tentative as it is, serves several useful purposes. In especial it shows on what a vicious principle many proprietors arrange the rate of profit for retailers. I am not referring now to the general lowness of the rate—averaging, I suppose about 20 per cent. on sales—but to the fact that in many cases the percentage of profit allowed on the larger sizes of an article is less (in two cases about 3 per cent. less, in another 5 per cent., and in yet another nearly 12 per cent. less) than that on the smaller size. It is a principle laid down in Mr. Humphrey's recent lecture on the subject that the higher the price of an article the higher the rate of profit ought to be, and the reasons for this are fairly obvious. How is it that proprietors act on the opposite principle? Do they not wish us to sell the larger sizes of their goods, or do they think us such fools as not to notice the diminution of profit when the sum taken is a comparatively large one? I see by his letter of last week that Mr. Philip does not agree with Mr. Humphrey as to the profit on expensive articles, but I venture to think that for once Mr. Philip is wrong.

Mr. Pickering, in the passage you quote from his article on "The Detergent Properties of Soap," says that the possibility of incorporating water with fats or melted waxes was first recognised by Galen. But Galen was not born until 130 A.D., and Pliny, who flourished in the previous century, mentions soap, and describes it as being made from goat's tallow and the ashes of beechwood. Moreover, a soap-making establishment, containing soap in a good state of preservation, was discovered in the ruins of Pompeii, which city was destroyed in 79 A.D. It is true the soap spoken of by Pliny is said to have been used for giving a gloss to the hair, but its composition appears to have been similar to that of our soap.

The Ratsapotheke at Hildesheim is not, after all, the oldest pharmacy in Germany of which a continuous record exists. The "Vossische Zeitung" has unearthed one still older at Prenzlau, of which the following particulars are given: It is known as the Green Apotheke, and its Charter is still extant. In this Charter, exhibited at Vietmannsdorf, in the district of Templin, and dated "In the Year of the Lord 1303, on the second Feast-day after Palm Sunday, by the hand of the notary Zacharias," the Ascanian Margraves, Otto, Conrad, and John, say that they "have conveyed to our well-beloved Walter, the younger, citizen of Prenzlau, the Apotheke there situate, with full right of possession as well as for the quiet and peaceable conduct thereof, adding out of special grace and favour that it is not nor in any way shall be allowed to any man to set up another Apotheke within a distance of ten miles round the aforesaid town, or therein." Among the witnesses named in the Charter is an ancestor of the present Secretary to the Imperial Treasury—namely, Conrad von Redern (Roedern), who at the time had an estate in the neighbourhood. From the wording of the Charter it may be gathered that the Apotheke was even older, and that the grant of privilege in 1303 was only a renewal.

Enemy Firms in America have been given warning by the Custodian of Alien Property that it will be futile to attempt to conceal holdings in that country, and that any effort to do so will meet with heavy punishment. A German plot has been discovered to hide millions of dollars of enemy assets under the cloak of American corporations, and the extent to which this has been done by enemy agents puts them in the conspiracy class, says the Custodian.

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Editorial Articles.

The "Face-Values" Propaganda.

THE Face Values Committee, it was announced at the annual meeting of the Proprietary Articles Trade Association, has ceased to exist, a working arrangement having been arrived at between the Association and the Committee. The objects for which the Face Values Committee was formed are to be pressed forward—increased profits and face-value for proprietary articles. To the persistent advocacy of Mr. W. H. Saunders, Liverpool, is due the popularising of the idea of the advantages of "face-value" prices for proprietary articles, but the psychological opportunity for bringing the matter to a conclusion did not arrive until the correspondence begun by Mr. J. J. Jackson, Hereford, in THE CHEMIST AND DRUGGIST aroused the trade to the necessity of securing definite and sufficient rates of profit on all proprietary articles. This correspondence attracted a good deal of attention, and it was soon seen that increased profits and face-values were objects of a similar nature which could well be combined in the same propaganda. One feature of the matter was the discovery of the organising power of Mr. Hugo Wolff, who acted as Secretary of the Face Values Committee formed at Birmingham last January. Other meetings followed in London and Birmingham, and then came the deputation to the Proprietary Articles Trade Association at which the views of the Committee were expounded. There is no harm in stating now that the P.A.T.A. was at first suspicious of the face-values movement, but so soon as the correct orientation was estab-

lished—and the credit for this is due to the Secretary, Mr. W. S. Glyn-Jones—the P.A.T.A. saw that it would be an advantage to the whole trade if use was made of the new movement. This is not to be understood to mean that the P.A.T.A. had never gone into the question of face-values: it had done so a few years ago, and decided against it at a time when the adoption of the idea would have been difficult. The change of outlook and upheaval of industries caused by the war have, however, made it possible to effect changes now which formerly would have been well-nigh impossible. Hence it has come about that the lion (we had almost written wolf) and the lamb are working side by side so as to bring about a simplification in prices which cannot fail to benefit chemists, especially if it is accompanied by the adjustment of profits on an adequate basis where these are at present below the standard.

Jubilee of the Pharmacy Act, 1868.

THE Pharmacy Act of 1868 became law on July 31 in that year, and it seems fitting that the jubilee of an event so momentous in our annals should be made the occasion of a brief review of the history of the measure. History has been defined as philosophy teaching by example; in the story of the past we may find lessons for our present and future guidance, but in this instance our readers must be left, for the most part, to draw the lesson for themselves. In attempting to compress within the limits of this article the events of more than four years we can give little more than a bare *résumé* of facts, and as we desire to do this with perfect impartiality, we shall abstain from all but the most general and obvious comment. The story begins in 1864, with a proposal of the General Medical Council for a new Medical Act, by which the practice of pharmacy and the dispensing of prescriptions would have been brought under the control of the said Council. Not only would our education, examination, and registration have been regulated by the Council, but that body would have been given the power to appoint inspectors to see that the provisions of the Act were duly carried out, which provisions included penalties from unqualified practitioners in pharmacy, the prohibition of secret remedies, and the imposition of a fine for selling any "patent or quack medicine" unless a sworn declaration of its composition were exposed in the place of sale. This attempt to capture pharmacy by the medical profession came to nothing; the clauses relating to pharmacy were dropped from the Bill, and pharmacists were left to propose legislation for themselves. There were two Associations of chemists in existence at the time—the Pharmaceutical Society, founded in 1841, and the United Society of Chemists and Druggists, founded in 1861—and they both set about the task. The older Society was first in the field, their Bill being drafted early in 1864; the United Society had theirs ready in the following October. Both Bills had the same title, that of "The Chemists and Druggists Bill," but they differed widely in character. That of the Pharmaceutical Society (Bill No. 1) was an extension of the Pharmacy Act of 1852. It provided *inter alia* that from and after January 1, 1866, all chemists and druggists in business must be registered under the Act, that every person of twenty-one years of age who before the passing of the Act had been actually employed as an assistant to a chemist and druggist should be eligible to registration as a chemist and druggist under the Act, and that all persons so registered should after examination be eligible for election as Associates of the Pharmaceutical Society, to take part in its meetings and vote thereat in the same way as members, but should have none of the other privileges of membership. Exemption from jury-service was not provided for, and this Bill contained nothing concerning the sale of poisons; the safety of the public was considered only as it is affected by the compounding and dispensing of the prescriptions of qualified medical men. All fees payable for examination and "regulation" were to be at the Society's disposal. The Bill of the United Society (Bill No. 2) set up a new authority in addition to the Pharmaceutical Society, which was to be styled "The Council of Chemists and Druggists Society of England and Wales." It was to be formed by election from the chemists and druggists registered under the Act, and its constitution was laid down in detail. These provisions of the Bill were to be put in operation under the direction of a Commissioner appointed by a Secretary of State, and the Council thus set up was to appoint examiners and decide upon the fitness of candidates for registration as chemists and druggists or assistants as the case might be. Chemists and druggists already in business, and also assistants to chemists and druggists in business, were not only to be eligible for registration, but provision was made for compulsion if they did not register voluntarily. The rights of apothecaries, surgeons, etc., and pharmacists already registered under the Act of 1852, were safeguarded (as they were in the other Bill), and it was provided that, with these exceptions, no person not registered under the Act should be able to recover any charge for medicines in Schedules C and D of the Act, which Schedules included respectively a number of "Dangerous Drugs" and "Active Poisons"; that any person retailing, dispensing, or compounding drugs and medicines in contravention of the provisions of the Act should be liable to a fine of 5*l*. for every offence; that active poisons should not be sold to anybody under twenty-one years of age, or (except in a prescription) to any person unknown to the seller, under a penalty of 20*l*.; and that the same penalty should be incurred by any person falsely posing as a chemist and druggist, or employing an unregistered assistant. These penalties were to be recoverable by the Council for the use of the corporate body, every member of which was to pay an annual fee of 10*s*. 6*d*. The fee for registration was to be a guinea. Examination fees were not mentioned in the Bill. Our readers will be able to judge for themselves between the two Bills. The effect of the passing of either would have been to establish a legal class of chemists and druggists in addition to existing pharmaceutical chemists; under Bill No. 1 they would have been subject to the control of the Pharmaceutical Society, under Bill No. 2 to that of their own Society. Both Bills were introduced in the House of Commons, and, after passing the second reading, were referred to a Select Committee on March 29, 1865. The committee sat once a week from May 5 to June 19. They considered Bill No. 1 first. At their fourth sitting they passed two resolutions: (1) That no compulsory examination should be required of persons already in business, and (2) that after a day to be fixed no unexamined and unregistered person should be allowed to sell certain dangerous drugs. The second of these resolutions was rightly held to dispose of Bill No. 1, and the Committee proceeded accordingly to consider the other. Its Preamble, and Clauses 1 to 7, were accepted with some small amendments, but Clause 8, providing for the appointment of a Commissioner for the formation of the new corporate body, proved an insurmountable obstacle, and it was resolved not to proceed further but to recommend that early in the next Session the Government itself should bring in a Bill on the subjects referred to the Committee. As everybody knows, this was not done, and the pharmaceutical history of the next two years is mainly that of a struggle between the two Societies, and a compromise finally effected by them. It can be told here in outline only. In the spring of 1866 the United Society asked the Pharmaceutical Society to co-operate with it to obtain a Bill. To this the President, Mr. Sandford, replied, but without promising co-operation, that a liberal and efficient measure that was not a mere Poisons Bill would receive his Society's support. He did not, however, think the time opportune, or that two Societies with the same object would ever be established by law. During the year the matter was much debated at chemists' meetings all over the country, and in the columns of the "Pharmaceutical Journal" and THE CHEMIST AND DRUGGIST. The former journal was often needlessly provocative, the latter, then edited by Mr. J. C. Brough, always conciliatory and anxious to promote a good understanding between the rival Societies. It should be added that many prominent members of the Pharmaceutical Society were equally so, and that several, of whom Mr. Barnard S. Proctor deserves particular mention, had from the first

been opposed to the more aggressive features of their Society's Bill. In November a very important meeting of the United Society was held in Manchester, at which resolutions were passed in favour of the inclusion of all chemists and druggists in the Pharmaceutical Society, on the principle of compulsory examination, and of accepting the distinction of all examined pharmaceutical chemists by the retention of that title for them only, and of admitting all registered assistants entering into business on their own account to the privileges of members of the Society. These resolutions were forwarded to the Council, and so the United Society virtually surrendered to its older rival. Partly as a result of this meeting, the Pharmaceutical Society published in January 1867 proposals for a Bill which had been drawn up early in the previous year, and which, as regards the relative position of pharmaceutical chemists and chemists and druggists, was in close accord with the subsequent Act of 1868. At a meeting of the United Society held on January 24 these proposals were accepted, except that a clause debarring chemists and druggists from election to the Council was rejected, and another slightly amended; and a resolution moved by Mr. Betty, of Park Street, Regent's Park (father of Mr. R. B. Betty, Ph.C.), authorising a deputation of the trade to wait upon the Pharmaceutical Society with a view to a mutual understanding, was adopted. The deputation was received in February, a conference took place, and a substantial agreement was arrived at, the pharmacists agreeing that two-thirds of the Council only should consist of pharmaceutical chemists, and the Bill finally drafted by consent of the two bodies was, as regards the differences between them, virtually identical with the Act of 1868. It differed, however, in admitting assistants of two years' standing to registration without being examined, and in providing for the exemption of all chemists and druggists from jury-service. The Bill agreed upon was submitted to the Home Office, and as soon as Parliament met for the despatch of business in 1868, Mr. Gathorne Hardy (afterwards Lord Cranbrook), the Home Secretary, received a mixed deputation for consultation upon it. Mr. Hardy approved of the Bill, but could not offer any facilities for passing it before Easter. It was therefore deferred until May, on the 11th of which month it was introduced to the House of Lords by Lord Granville. It is perhaps hardly worth recalling that the "Medical Times and Gazette" condemned it as unnecessary, retrograde, and calculated to "erect the chemists and druggists into a profession, and indirectly foster counter practice." The Lords received the Bill with favour, but introduced a few amendments. In Clause 1 they added a proviso that chemists must conform to the sale of poisons regulations; they struck out a proviso in Clause 2 that resolutions respecting poisons should be submitted to the General Medical Council; and they added provisions giving the Privy Council control over examinations, and power to direct that persons convicted of an offence under the Act should be struck off the Register. With these amendments the Bill was passed on June 18, and was sent forthwith to the Lower House. Here it was first in charge of Mr. Headlam, afterwards of Lord Elcho. It was opposed by Mr. Robert Lowe. The House went into Committee upon it on Friday, July 10, and it was subjected to a very searching criticism, chiefly from Mr. Lowe. At his instance registration under the Act (see Section 4) was made compulsory upon all existing chemists and druggists. The amendment of Clause 4, by which assistants are required to show three years' service instead of two as proposed in the Bill, and to pass a modified examination, was also due to him. The general effect of the amendments adopted in both Houses was to regulate more strictly than was done in the Bill as introduced the retailing of poisons, and to increase the power of the Privy Council over the Society. The greatest—indeed the only serious—loss caused to us by them was the cancelling of the exemption of chemists and druggists from jury-service, which was the Act of the House of Commons. The Act, as we have said, became law on July 31. The immediate reception of the measure by the trade was favourable, and votes of thanks and a testimonial to Mr. Sandford followed as a matter of course. The Pharmaceutical Society naturally took the credit of the Act to itself; without departing from our attitude of impartiality we may say that the tone of the "Journal" in commenting on the opposition it had received from some members of the trade was, in view of the fact that the corner-stone (so to speak) of the Act was conveyed from the rival Bill, a little ungenerous; and that The Chemist and Druggist was somewhat too sanguine in saying that the Act would protect us "from degrading competition." Looking back we can see flaws in the Act which, though they were not altogether unnoticed at the time, there was then a general disposition to ignore as much as possible, and we may draw lessons of many kinds which the men of that time may be excused for not having anticipated. Some of these, however, were sufficiently patent even then. The first and chief is the necessity of united action in all our approaches to Parliament; the second is the folly of expecting from Parliament any privilege which we are not prepared to pay for by increased service; the third, the equal folly of attempting to secure on any terms a monopoly of trade in drugs and medicines. There are others which our readers will be able to discover for themselves, but these three need emphasising, not because they are not in themselves sufficiently obvious, but because their very obviousness is a temptation to resist them. The facts against which we chafe most are often those it is most hopeless to think of altering, and to "damn the nature of things" is as common as it is futile.

The Sale of Poisons.

We still receive many inquiries for copies of the pamphlet "Statutory Restrictions on the Sale of Poisons, etc., in Great Britain" which was prepared for a lecture at the Progressive Pharmacy Club last month. A few copies are still on hand, a charge of 4*d*. (post free) being made for quantities of less than fifty. Besides giving the restrictions on the sale of poisons imposed by the various Acts and Regulations at present in force, there is an extended list of poisons with an indication as to the conditions which have to be observed on the sale of each article.

Military Service for Chemists.

We congratulate Mr. Clement W. Ridyard upon the energetic way in which he is looking after the interests of chemists in the area in which he is Secretary of the Pharmaceutical Committee. He deserves the thanks of harassed chemists who had imagined, as anyone is entitled to from the agreement arrived at by the National Service Ministry and the Pharmaceutical Central Advisory Committee, that unless they came within the "clean-cut" ages they would not for the present be claimed for military service. In Mr. Ridyard's area he has succeeded in obtaining the observance not only of the spirit but of the letter of the agreement, and moreover he makes the generous offer in our correspondence columns to advise chemists who are being thrown over by the Pharmaceutical Committees in other areas. If the agreement so definitely worded which was sent out by the Pharmaceutical Central Advisory Committee is not to be taken at its ordinary meaning we should be glad if the Committee would say so. Until the circular is withdrawn or superseded we advise chemists who have trouble in the matter to endeavour to thresh out the question with the Regional Officer of the Ministry of National Service and also to impress upon the local Pharmaceutical Committee that it is their plain duty to protect the chemists in the area who fall within the ages and grades mentioned in the circular. We are glad to see that the Pharmaceutical Central Advisory Committee is at last taking up the point about Volunteer service which in some cases is being imposed upon chemists who are granted exemption from military service by Tribunals. The Scottish Committee, we believe, early warned chemists on this point, but it has required some time to get the matter taken up at Bloomsbury Square. Meanwhile we have had more favourable reports from the country of the attitude of Tribunals in the matter of Volunteer service, which is only another indication that where it is realised that the chemist's exemption is because he is doing work of national

importance, it is a useless handicap of his overworked capacity to insist upon tiring physical duties in addition. The views of Tribunals vary very much, and that is why it is preferable that definite instructions should be sent from the Local Government Board which can be quoted in dealings with the Tribunals.

Six Months' Overseas Trade.

THE Board of Trade Returns for June, which have just been issued, complete those for the half-year, but they afford no adequate comparison with the corresponding period of 1917, as at that time the Government imports and exports were not included. Many particulars of the quantities of leading products are now withheld for official reasons, so that the Returns have lost much of their importance as a trade barometer. It appears that our total imports during the six months amounted to 652,184,000*l.*, an increase of 151,728,000*l.*, while our exports dropped from 251,148,000*l.* to 246,833,000*l.*, or 4,315,000*l.* In this period we spent 292,097,705*l.* on food, drink, and tobacco, 223,617,952*l.* on raw materials, and 132,769,932*l.* on manufactured goods, 18,362,446*l.* of which was on chemical products, or 6,700,000*l.* more than in the corresponding half-year. The export side of the account is noticeable for an increase of 4,195,900*l.* in the shipments of manufactured goods, which amounted to 202,098,000*l.* This increase was almost entirely due to an advance of 23,977,000*l.* in cotton yarns and textiles, as practically every other item in the list shows a more or less substantial decline, that in drugs and chemicals being 310,654*l.* on a total exportation of 11,049,500*l.* for the six months. The drug and medicine figures—1,520,860*l.* for the six months—are only 122,759*l.* less than last year. Otherwise, with one or two exceptions, there is an all-round decrease in chemical and drug exports, which is inevitable under present circumstances.

Another Precedent.

THE Council of the Pharmaceutical Society is very slow in taking steps to obtain power to relax its examination conditions in the case of undergraduates who are serving with the Forces, and who will when they return to civil life be subjected to great disadvantages in the matter of examinations. The great Universities have obtained power to relax their rules in the case of students who are placed at a disadvantage by reason of their patriotism, and another example is provided by the Solicitors (Articled Clerks) Bill which was read a second and third time in the House of Commons on July 23. The Solicitor-General, in moving the second reading, said :

> This is a Bill designed for the benefit of articled clerks of solicitors. It is intended in two ways to modify in their interests the provisions of the existing Solicitors Acts. In the first place, the Bill provides that an articled clerk may reckon as time duly served under his articles any time which since the commencement of the war has been served in the Forces or during which he has been detained as a prisoner or interned in an enemy or neutral country. In the second place, the Bill provides that the Lord Chief Justice or the Master of the Rolls, in circumstances arising out of the war, may exempt an articled clerk from his intermediate examination.

Later on he said the Bill is a "perfectly simple, obvious and modest Bill." This should put a little courage into the Council to do something for its undergraduates. It would be in a good cause, and if the attempt failed—there is no reason why it should—the Councillors will have the advantage of knowing that they have tried to do the right thing for those who are not able at present to look after their own interests.

No Further Use for Germany.

SIR A. STEEL-MAITLAND, in pioneering the Trading with the Enemy (Amendment) Bill through the House of Commons, finished his speech with the significant words that the co-operation of the Allies is such that general measures along the lines of the Bill are to be taken "so that the Germans may know perfectly well that the longer the struggle is continued the more steadily will their influence be utterly rooted out." We were struck in looking through some American technical papers lately to notice how thoroughly our trans-Atlantic Allies have grasped the idea that they will in future be thoroughly independent of German influence. The "Drug and Chemical Markets," for instance, has no misgivings about the bombast with which Germany is wont to proclaim her "Kultur" to the world. Our contemporary is keenly sarcastic about the paucity of German discoveries and the lack of initiative of Germans. After giving details of the great discoveries of the world the article is summed up as follows :

> German chemists have discovered not a single one of the important basic laws of chemistry, nor isolated one of the commoner chemical elements, nor made any of the great fundamental discoveries in industrial chemistry, and yet Germany has been able to foist upon the world a reputation as chemical headquarters. The reason is not difficult to discover. Germany has made a practice of seizing the chemical discoveries of other nations. She has exploited them professionally and industrially as her own. The great bulk of the chemical literature has been produced in Germany, and German chemical investigators have not hesitated in their writings to ignore blissfully the pioneer work done by chemists of other lands. German chemical scholarship has long been organised thoroughly on an industrial basis, and the German chemical manufacturers have been keen to profit by every advance in research. The war has shown the world that it is not dependent upon German chemistry, and the advances made in England, France, and the United States during the past four years are greater than have been made in Germany during the past century.

The fact that the United States has no further use for Germany is brought out by the "Journal of Industrial and Engineering Chemistry," which, after showing the effects that were anticipated from the stoppage of the supply of German dyes and synthetic chemicals, states :

> Yet within this short period of two years, one of which has been devoted to war preparations, a miracle has been wrought. Mills have not closed; all lines of industrial life requiring synthetic colours are operating under normal conditions; the sick have been provided with ample medicinal supplies; prices have been largely reduced, and are comparable with prices of all other commercial products; in addition, ships have borne from America to other parts of the world large quantities of dyestuffs.

The ruin of German industries which all this means will complete in Germany the lesson which the military power of the Allies is administering. Only when contrition for her crimes has been expressed and carried into effect can Germany again be admitted to the friendship of civilised nations.

Trade-marks Applied for.

The figures in parentheses refer to the classes in which the marks are grouped, for a list of which, with particulars as to registration, see "The Chemist and Druggist Diary," 1917, p. 220.

(*From "The Trade-marks Journal," June 12, 1918.*)

"PILETTO BRAND PILLS AND OINTMENT FOR PILES"; for pile pills and ointment (3). By A. Dainty, 13 Wolverhampton Street, Dudley. 381,922.

"BISHOPS PURE DRUG CO." round oval picture of two bishops; for medicinal chemicals (3). By Bishops Pure Drug Co., 460 Holloway Road, N. 7. 382,679.

"DUROPRENE"; for all goods (4) and (40). By the United Alkali Co., Ltd., Pierhead, Liverpool. 382,897. (Associated.)

"EUTHENE"; for perfumery, etc. (48). By Phyllis M. J. Wood, 58 Headingley Lane, Leeds. 382,795.

"DIOXYTAS"; for perfumery, etc. (48). By the "Sanitas" Co., Ltd., Locksley Street, Limehouse, E. 14. 382,906.

(*From "The Trade-marks Journal," June 19, 1918.*)

"DURASOL"; for dyes, etc. (1) and (4). By Levinstein, Ltd. Blackley, Manchester. 381,991/2. (Associated.)

"ALPHA"; for photographic plates and films (1). By Ilford, Ltd., Roden Street, Ilford. 382,324.

"PYRAMID BRAND DYEING CRYSTALS," with device of pyramid; for dyeing crystals (1). By J. Nicholson & Sons, Ltd., Heaton Junction, Newcastle-on-Tyne. 382,733. (Associated.)

Heraldic shield device; for all goods (1). By J. L. Fell & Co., Ltd., 181 Queen Victoria Street, E.C. 4. 383,088.

"RADIOLIT"; for fertilisers (2). By A. L. Burlin, 15 Lichfield Street, Burton-on-Trent. 382,786.

"PIPKU"; for poultry medicines (2). By W. S. Taylor, Townhall Street, Enniskillen. 382,896.

"LOSAN"; for liniments and powders for gout, etc. (3). By Roberts & Co., 76 New Bond Street, W. 1. 380,955.

"AMYCAINE BRAND ANÆSTHETIC"; for an anæsthetic (3). By A. Brezet & Co., 145 Wool Exchange, E.C. 2. 382,126.

Association Affairs.

Birmingham.—Members of the Birmingham Pharmaceutical Association and several friends visited Coleshill on July 10, and were entertained to tea by Mr. and Mrs. T. Hill, afterwards inspecting Coleshill Church and Maxstoke Castle (now being used as a Red Cross Hospital). The historical associations of these buildings excited interest, and a pleasant afternoon was passed. Apologies for absence were received from Sir Thomas Barclay and Messrs. Atkinson, Kemsey-Bourne, Mann, and Thompson. On the proposition of the President (Mr. H. Buckingham) a hearty vote of thanks was accorded to Mr. and Mrs. Hill.

Devon.—The annual meeting of the Devon Pharmaceutical Association was held at 60 High Street, Exeter, on July 17. The annual report was adopted. Mr. Shepperd called attention to some prices on the Minimum Retail-price List, and it was resolved that the Secretary write to the compilers of the list calling attention to the matter. It was decided to continue the distribution of the price-lists, but to ask the publishers if they could be issued earlier in the month. A copy of the revised War Emergency Formulary is to be sent to each member. The financial statement was adopted. Messrs. Lemmon and Taylor were elected auditors, and the officers were re-elected. A report on military service was made by the Chairman and Secretary, and a discussion ensued, thanks being accorded to the special Sub-Committee dealing with recruiting matters. The following resolution was carried: "That this meeting congratulates the Council of the Pharmaceutical Society on their having appointed Mr W. S. Glyn-Jones, M.P., as Secretary and Registrar, and desires to assure the new Secretary of the loyal support of the pharmacists in Devonshire, who are confident that he will bring to bear upon the duties of his office all those powers of organisation which he has so long used for the advancement of pharmacy." The report of the Committee on Organisation was submitted, and it was resolved that the Pharmaceutical Society be asked to supply sufficient copies to send to all the members: failing this, that a summary be prepared and circulated by the Secretary, and that the report should be fully discussed at a general meeting of the Association to be held in October. It was also resolved "That this meeting records its opinion that there is no adequate substitute for glycerin for certain medicinal uses, and urges the Pharmaceutical Society to press the Government to release the comparatively small amount required." The Insurance dispensing Tariff for next year was considered, and it was decided that in the present state of affairs it is inexpedient to suggest any alteration in the Tariff. Thanks to the Devon County Insurance Committee for allowing the use of their room for the meeting terminated the proceedings.

Irish C.A.A.—The half-yearly meeting of the Cork Branch was held at the Association's rooms at St. Patrick's Hill on July 18, Mr. Hartnett presiding. The reports of the Secretary and Treasurer were adopted, and the following officers were elected for the coming six months: *Chairman*, Mr. V. O'Sullivan; *Vice-Chairman*, Mr. Wm. Moloney, Ph.C.; *Secretary*, Mr. M. Kennedy; *Treasurer*, Mr. P. J. Walsh, Ph.C.; *Committee*, Messrs. A. Bourke, P. Ronaghan, Ph.C., Williams, Buckley, Ryan, Hartnett, and Kerr. Messrs. M. O'Sullivan and P. Ronaghan were appointed Trades Council representatives.

London County.—A meeting of the Executive Committee of the London County Pharmaceutical Association was held at 17 Bloomsbury Square, W.C., on July 16, Mr. A. R. Melhuish in the chair. A vote of condolence was passed with the relatives of the late Mr. J. Kirkpatrick; also with the members of the West Ham Pharmacists' Association. Messrs. H. S. Watson, J. C. Carter, C. Yeoman, and C. Happold were appointed on the Executive, in place of Messrs. C. T. Allen, C. W. Matthews, E. A. Atkins, and C. H. Siddle, and the following officers were elected for the ensuing year: *President*, Mr. J. Keall; *Vice-President*, Mr. G. B. Barnard; *Hon. Secretary*, Mr. G. A. Tocher. The retiring President, Mr. Melhuish, was thanked for his services. As a member of the Organisation Sub-Committee, Mr. J. Humphrey was appointed in the place of Mr. G. W. Hatfield, resigned. The consideration of a motion by Mr. Skinner relating to one of the rules of the Association was postponed until the next meeting. Opinion was expressed that the title of the district Associations of London should now be altered to "Chemists' Association" instead of "Pharmacists' Association." This will be considered at the September meeting.

Portsmouth.—A poor attendance of members marked the occasion of the annual meeting of the Portsmouth Pharmacists' Association on July 17. Mr. T. Brewis presided. The usual reports were presented, and officers were elected as follows: *President*, Mr. T. Brewis; *Vice-President*, Mr. J. W. Rhodes; *Treasurer*, Mr. W. H. Bown; *Secretary*, Mr. W. R. Atterbury; *Auditors*, Messrs. Eyres and Egerton. Two new members of the Committee are Messrs. Ruoff and Coates. Other business included the voting of sums to the Benevolent and Orphan Funds, affiliation to the local Chamber of Commerce, competitive sales by Infant-welfare Centres, and the proposed compulsory closing at seven o'clock. The Association gave its unanimous support to the last-named.

Progressive Pharmacy Club.—The seventh lecture of the course on business methods applied to pharmacy was delivered at the Club on July 16, when Mr. F. Cherry took as his subject *Business-building on Modern Lines*. There was a good attendance of members and friends, and much interest was manifested in Mr. Cherry's careful explanations of what he considered the best methods of dealing with customers, introducing new lines, clearing old stock, and other phases of scientific business-building. At the conclusion of the lecture Miss Buchanan, who occupied the chair, proposed a vote of thanks, which was heartily accorded, and it was intimated that no further lectures would be delivered until after the summer vacation.

Sheffield.—At a Council-meeting of the Pharmaceutical and Chemical Society, Mr. A. H. Culverhouse was re-elected *President*, Mr. C. H. Hewitt *Senior Vice-President*, Mr. E. Preston *Junior Vice-President*, Mr. H. Antcliffe *Treasurer*, Mr. H. Bown *Hon. Secretary*, Messrs. E. Wells-Smith and E. Hards *Auditors*, and Mr. Gregory *Librarian*. The President welcomed Messrs. Bown, Johnson, and Swift, the three newly elected Councillors. Some discussion took place on the draft report on reconstruction; it was eventually decided to place it before a general meeting of the Society and secure a further number of copies. A special Committee was appointed to make arrangements for commemorating the jubilee of the Society.

Cape Peninsula Retail Chemists' Association.

THE second meeting of the Association was held in the room of the Cape Province Pharmaceutical Society on May 22. There was a good attendance of members and others, and the meeting was enthusiastic, which augurs well for the Association's future. Mr. Cooper (Kalk Bay) presided. The Secretary (Mr. G. S. Burton) read the minutes of the inaugural meeting, which were confirmed. Mr. Burton detailed the work done by the Committee since the first meeting. All the leading wholesalers have promised to assist the Association. Mr. Greenland gave particulars of progress to date. He said there are sixty-six pharmacies in the Cape, representing fifty-six proprietors. Forty-eight of the proprietors have joined the Association, and Mr. Scott promised to interview all chemists who have not yet joined. The Chairman gave a *résumé* of the work done in regard to prices. There was a lively discussion on prices to be charged for "tabloids," and a proposal was put before the meeting that 50 per cent. profit should be the minimum. Special lines stocked by stores and general dealers were then discussed. Mr. Rivett suggested that a list of these should be added at the back of the proposed price-list. Mr. Hopkins thought these should be left to the discretion of the members. Mr. Main gave an account of his appearance before the "Cost of Living Commission." Mr. Burton proposed that qualified managers of branches may be elected members if the proprietor is a subscriber; and it was resolved, on the proposition of Mr. Ross, that such managers may be co-opted on Committee. The question of affiliation with the P.A.T.A. was again discussed, but in view of the motion passed at the inaugural meeting the Chairman ruled the discussion out of order. The question of headquarters for the Association was mentioned, and the Secretary was instructed to write to the Pharmaceutical Society and the P.A.T.A., asking if their respective rooms would be available.

"KRUJER'S SALTS" was demanded lately in a Scottish pharmacy.

PRICKING THE BUBBLE.—Sir Henry Newbolt in the "Daily Chronicle" says when a new surgical operation or method is invented in England the German periodicals, which supply the world's scientific information, ignore the discovery until some German practitioner has adopted it successfully. It is then announced under his name, and goes forth as "Piggensticher's operation," the latest proof of Germany's supremacy in science.

Insurance Act Dispensing.

A Record of matters concerning Chemists' interests in the National Health Insurance Acts.

Reports from Local Centres.

ENGLAND.

Birmingham.—At a meeting of the Pharmaceutical Committee on July 16, a letter was read from the Commissioners extending the term of office of the present members. Mr. W. H Whittock was re-elected *Chairman* and Mr. F. Smith *Secretary*.

Bradford.—The Insurance Committee has re-elected its Chairman and Deputy-Chairman (Messrs. E. J. Smith and H. Thornton Pullan), and has appointed the Chairman and Alderman J. Hayhurst, Captain Wilson, and the Clerk (Mr. A. Flather) as representatives on the Committee of the National Association of Insurance Committees.

Liverpool.—The Pharmaceutical Committee met on July 16, when the following officers were appointed: *Chairman*, Mr. D. H. Evans; *Vice-Chairman*, Mr. A. W. Ashcroft; *Secretary*, Mr. L. Moreton Parry; *Committee*, Messrs. G. W. Alexander, J. Bain, W. H. Clubb, J. L. Hirst, M. S. Hughes, C. E. Jones, G. V. C. Last, R. E. Lloyd, H. H. Marsden, and E. Prebble; *Pharmaceutical Service Committee*, Messrs. D. H. Evans, A. W. Ashcroft, and J. L. Hirst. Messrs. W. H. Clubb, G. V. C. Last, and the Secretary were appointed representatives to meet Insurance Committee on the recruiting of chemists. A letter was received from the Central Checking Bureau crediting the Committee with the sum of 5*l*. 18*s*.

Manchester.—A meeting of the Pharmaceutical Committee was held on July 3, Mr. F. W. Bates, J.P., in the chair. The minutes of the last meeting were confirmed, and the reports of the Joint (Military Service) Committee and the Pharmaceutical Service Sub-Committee were adopted. The draft annual report and the balance-sheet were then submitted and duly considered. It was decided, owing to paper restrictions, not to print and circulate the annual report as in former years, but to submit it to a meeting of the panel. A copy of the balance-sheet will be, however, issued in the usual way. The officers were unanimously re-elected for the ensuing year, namely: *Chairman*, Mr. F. W. Bates, J.P.; *Vice-Chairman*, Mr. J. H. Nidd; *Treasurer*, Mr. J. Bell; *Hon. Secretary*, Mr. A. Hershberg. The various Sub-Committees were reappointed, as also the Auditors, Messrs. Cleworth and Coates, who are responsible for the monthly audit of the accounts. The Checking Bureau's report on the February scripts was considered satisfactory and adopted.—A well-attended panel meeting was held at the Chess Club Rooms on July 3, Mr. J. H. Nidd presiding. The annual report of the Pharmaceutical Committee was submitted by the Secretary of that Committee, and, after a general discussion, in which complete satisfaction was expressed with the way the Committee had performed its duties during the period under review, and with the general working of the pharmaceutical service, was unanimously adopted. The Treasurer of the Committee (Mr. J. Bell) submitted the financial statement, which was also approved. Messrs. Bygott and Haines were appointed to carry out the annual audit of the Committee's accounts. Votes of thanks were passed to the Committee and to each of the officers for their services, and Mr. J. H. Nidd, as representative on the Insurance Committee, was specially thanked for his work in that capacity. Mr. Bates made a short statement on the aims and objects of the newly formed Vigilance Committee, and advised that all communications on matters coming within the purview of that body be addressed to Mr. E. H. Simmons, who had been appointed its Chairman.

N.E. Midlands.—The annual report of the North-East Midlands Pricing Bureau shows that for the year 1917 the prescriptions dealt with numbered 1,864,522, valued at 45,245*l*. 12*s*. The accounts for the year show a net expenditure of 1,833*l*. 13*s*., which is equivalent to a cost of 19*s*. 8*d*. per thousand prescriptions priced.

Sheffield.—At the meeting of the Pharmaceutical Committee on July 17, Mr. A. H. Culverhouse was re-elected *Chairman*, Mr. C. H. Hewitt *Vice-Chairman*, and Mr. H. Antcliffe *Secretary*. Messrs. Culverhouse, Hewitt, and S. Furnival were elected members of the Pharmaceutical Service Sub-Committee, and Messrs. Culverhouse and Hewitt members of the Joint Service Sub-Committee; the Emergency and Military Committee comprising Messrs. Culverhouse, J. Gilbert Jackson, and H. G. Williams, with the Secretary as *ex-officio* member. The Secretary reported the receipt of a letter and pamphlet from the Editor of THE CHEMIST AND DRUGGIST, copies of which had been sent to all Insurance Committees with a view of educating them on the statutory duties of chemists. It was decided that copies should be obtained if possible, to be forwarded to every panel chemist and member of the Insurance Committee and to other public men, showing them the difficulties under which chemists are working with the present regulations.

SCOTLAND.

Fifeshire.—The delay in the final settlement of chemists' accounts for the past three years has caused much disapproval, which has found expression in a letter, now being signed by the panel chemists in the county, calling the attention of the authorities to the state of affairs and urging the Pharmaceutical Committee to press forward the early settlement of the outstanding claims.

Forfarshire.—A financial statement as to the division of the Medical Benefit fund during 1916 shows that the expenditure was 9,369*l*. Of this, 7,690*l*. was paid to doctors and 1,330*l*. to chemists.

Reviews of Books.

The Chemistry of Essential Oils and Artificial Perfumes. By ERNEST J. PARRY, B.Sc. (Lond.), F.I.C., F.C.S., etc. Third edition. Vol. I.: Monographs on Essential Oils. $10\frac{1}{8} \times 6\frac{1}{8}$. Pp. xi + 521. 25*s*. (London: Scott, Greenwood & Son, 8 Broadway, Ludgate.)

We have on two previous occasions reviewed this standard work, and now have the first volume of the third edition before us. The first edition appeared in 1899, simultaneously with the French work on the subject by Charabot, Dupont, and Pillet, and with the German work by Gildemeister and Hoffman. The French work has never been revised, and the German book has just completed its second edition, which, however, is scarcely likely to be translated into English now that the reputation of Germans has suffered a total eclipse as a result of their war barbarisms. Mr. Parry's work on essential oils is rightly regarded as the standard work on the subject in English, and being now considerably enlarged and brought up to-date—as a casual examination of the dates of the reference foot-notes will show—it must now be regarded as the most modern and standard book of reference there is on essential oils and their constituents. In the present edition the author has restricted the first volume, which covers 521 pages, entirely to a detailed study of the essential oils themselves in a series of monographs. Volume II., which is in the press, will, as we are informed in the preface, cover the necessary ground relating to the analyses of essential oils and the characters of their isolated constituents. It will also deal with the artificial aromatic bodies which do not occur in essential oils, but which form the groundwork of synthetic perfumery. It will also, we understand, contain a special chapter which will be an addendum to Volume I., so as to bring it up to the date of the passing of the final proof-sheets. The present volume is arranged on the basis of the chapter entitled "Systematic Study of the Essential Oils" in the previous editions, but the oils are treated at greater length than was previously the case, and very full consideration has been given to those essential oils which are distilled within the British Empire. We notice, too, that recent developments in Allied countries have received full attention. For example, in the fifteen pages allocated to otto of rose the author has been able to increase the space devoted to French otto of rose to three pages, with two excellent illustrations of French rose-plantations. Generous recognition of the laborious researches of the Australian scientists Baker and Smith is accorded to them, and *résumés* of their work on eucalyptus, melaleuca, and other essential oils are given. We do not find any essential oil having the least commercial value or any scientific significance omitted from the volume, and a close examination shows that it is very accurate and up to date. From what we have said it is obvious that the book is the *Ultima Thule* of literature on essential oils, and those who have to deal with the subject will find Mr. Parry's work essential. We congratulate the author upon the way he has marshalled his facts and rejected undigested theories. The work is excellently printed, the illustrations are good, and the successful issue of a third edition of the work at the present time is a matter of congratulation to all concerned.

MR. OWEN A. CLARK, M.B.E., Mayor of Bury St. Edmunds, demanded, "*Inter* them all," rather than *intern* them.—"Observer." Every man to his trade, as the Mayor of Bury would say: or, as the Tube posters inform us, "The best way round is underground."—"Punch."

Trade Report.

42 Cannon Street, E.C. 4, July 25, 3 p.m.

ALTHOUGH there are no outstanding features in the chemical and drug markets this week, there has been a revival in demand for export, and if only the desired permits are granted a much-needed fillip will be given to business. Prices of some pharmaceutical chemicals show irregularity, and are offered at lower prices, this being due to a nervous feeling on the part of holders of high-cost goods. Moreover, arrivals during the past fortnight have been on a much better scale, and this has affected spot values. The proposed intervention of Japan in Siberia may attract more interest in Japanese produce later, as there is bound to be a withdrawal of shipping for expedition and relief purposes. The speculation in spices has died down, and there are now more sellers than buyers. The scarcity in quinine continues, and higher rates have been paid in second-hands; the improvement in carbolic acid may affect a number of other products, as makers are sold out for a lengthy period. Milk-sugar is offered at a much more reasonable price, but is still dear. Methyl salicylate has arrived freely, and is lower. Potash bromide is weaker, but both soda and ammon. are still comparatively scarce. Salicylic acid has a harder tone, but not sufficient to influence the price appreciably. Cream of tartar is easier, and tartaric acid is firm. Other changes include an advance in coriander-seed, due to probable rationing of imports. Gentian is cheaper and stocks are plentiful, as is liquorice-root. Farina has been sold at higher prices.

Higher	Firmer	Easier	Lower
Capsicums Carbolic acid Cassia lignea Coriander-seed Farina Quinine ethyl carb.	Camphor (¼-oz. tablets) Phenazone Quinine (sec. hands)	Cloves Cream of tartar Gentian Potash brom. Saccharin Vanillin	Agar-agar Ethyl salicylate Methyl salicylate Milk-sugar

The drug-auctions will be held next Thursday, August 1.

ACETANILIDE is offered at from 6*s.* 6*d.* to 7*s.* per lb. on the spot, as to seller, and possibly a trifle less for quantity. Few arrivals have taken place of late, and it appears difficult to obtain further consignments.

AGAR-AGAR is cheaper, with No. 1 Kobe strip offering at 3*s.* on spot.

ANTIMONY.—People in touch with the metal here take rather an indifferent view of the proposed measure in America to raise the import-duty in order to utilise domestic ores. Of course, there are quite good stocks there of Chinese antimony, and a temporary suspension of imports might be regarded with equanimity by consumers if the question of saving freight is at the bottom of it. Shipments of Chinese white oxide of antimony against old contracts are still held up, entirely owing to the freight incubus. Neutral tonnage is well-nigh unobtainable, and the sailings from Shanghai have become extremely few. Crude is maintained at 50*l.* on the spot, but quotations of regulus are much wider at about 78*l.* down to 73*l.*

ARROWROOT.—Sales of fair manufacturing St. Vincent have been made at 1*s.* 6*d.* on the spot.

ARSENIC.—The tone seems fairly steady, and quotations are maintained at about 98*l.* to 100*l.* for best Cornish powder, as named by mine agents, for near delivery in London, this applying to fair-sized lots of, say, 5 tons and upwards. Rather more money is presumably obtainable for smaller parcels. Demand is not brisk, buyers still distrusting the market. Production continues at a progressive rate in most countries where output has been developed in more recent years. The American output, which in 1913 was about 2,500 tons, is now probably not much under 7,000 tons per annum. There is no doubt that the very high price seen in the last two years has quickened operations in various industries where arsenic is being produced as a by-product. Fair quantities of Grecian arsenic are being apparently marketed to France, and the quality of this description has much improved compared to what it was when operations in Greece were only small. Advices from Japan state that production is steadily increasing, but exports are difficult owing to the dearth of freight. Practically the same applies to the Australasian Colonies. Several years ago the price was under 10*l.*, whereas this year it quickly has run into three figures to as high as 150*l.* per ton, the highest ever recorded. The war conditions, of course, chiefly explain the increased output.

ASPIRIN.—In view of the good export demand there is a firmer undertone among English makers, and 12*s.* per lb. appears to be the lowest at which finest B.P. make can be obtained.

BALSAM TOLU is very scarce, and the usual sources are without supplies.

BARBITONE is unchanged at from 105*s.* to 102*s.* 6*d.* per lb. on spot.

BENZOATES are unchanged, with small stocks on spot, the principal makers labouring under difficulties. Benzoic acid is 17*s.* 6*d.* to 18*s.* 6*d.*, and benzoate of soda 19*s.* on the spot.

BROMIDES.—Japanese *Potash* is a trifle easier at 9*s.* 9*d.* to 10*s.* on spot; ammonium is still scarce, and worth 11*s.*; sodium is also firm at 5*s.* 6*d.*, some even asking 5*s.* 9*d.*

CALCIUM LACTATE shows an increased consumption of late, with offers at 8*s.* 6*d.* net on spot.

CAMPHOR (REFINED) is steady, with sales of Japanese 2½-lb. slabs at 4*s.* 6*d.* per lb. on the spot; ¼-oz. tablets are very scarce, with retail sales at up to 6*s.*, and to arrive 6*s.* c.i.f. has also been paid.

CANANGA OIL is very scarce on spot, with Japanese offering at from 23*s.* to 23*s.* 6*d.* per lb.

CAPSICUMS are dearer, with sellers of fair bright Bombay at 85*s.*

CARBOLIC ACID.—Most of the makers appear to be sold some considerable time ahead, and there does not now appear to be anything available at below 1*s.* 4*d.* to 1*s.* 5*d.* per lb. for round lots of 39° to 40° C. ice-crystals in large drums.

CASSIA LIGNEA is dearer, with spot sales of whole selected at from 132*s.* 6*d.* to 135*s.* and broken at 125*s.* Market is quiet.

CHLORAL HYDRATE is offered at 13*s.* per lb. net in bond to come forward; 80 packages have arrived.

CLOVES have been easier, with spot sales of fair Zanzibar at 2*s.* 8*d.* per lb., and buyers.

COCAINE.—An increase in the cost of raw materials has led to the price being raised slightly, but stocks of hydrochloride are sufficient to keep the limited home consumption going.

COPPER SULPHATE.—Trading is almost at a standstill, merchants being very disappointed in consequence of the absence of fresh licences. Export f.o.b. prices vary considerably, ranging from about 65*l.* 10*s.* up to 66*l.* 10*s.* f.o.b. Liverpool, less 5 per cent. The demand for home agricultural use is also slow, in spite of the comparatively low net price of 52*l.* per ton net f.o.t. makers' works. Makers are hoping that the export restrictions will eventually be relaxed, as their operations on home account leave them very little in the way of profit.

CORIANDER-SEED.—Owing to the probability that further shipments this season from Morocco will be controlled there has been a considerable demand for parcels on the spot, and the price has risen to 50*s.* per cwt. At auction 100 bags Bombay sold at 44*s.* per cwt. subject, and 172 bags for account of whom it may concern at 40*s.* 6*d.* to 43*s.* 6*d.* subject for ordinary dusty.

CREAM OF TARTAR.—Fair-sized quantities are still being received, and prices are slightly easier in consequence at from 412*s.* 6*d.* to 410*s.* per cwt.

DEER-TONGUE LEAVES offer at 1*s.* 4*d.* per lb. on the spot.

DILL-SEED has been sold at 54*s.* per cwt. for ordinary quality of East Indian, being steady.

ETHYL SALICYLATE has been reduced 1*s.* per lb., importers offering at 6*s.* net on spot.

FARINA is dearer, with spot sales of No. 1 Japanese at from 74*s.* to 77*s.* per cwt. New crop for August-October shipment has buyers at 73*s.* c.i.f. *Sweet* is firm, with spot sellers at 72*s.*

FORMALDEHYDE.—We note the arrival of 323 barrels entered by a firm of wholesale druggists, which has caused some surprise in the trade in view of the recent announcement in the "London Gazette" that the Government had taken the product under control. A New York advice, dated July 3, states that export orders have cleaned up the available spot supply; sales have been made at 18c. to 18½c.

GENTIAN.—Spot stocks are now heavy, a further 400 bags having arrived from Spain: from 87*s.* 6*d.* to 90*s.* is quoted.

GINGER.—Second-hand sellers quote Jamaica at from 160*s.* to 170*s.*, Cochin at from 170*s.* to 180*s.*, Calicut 160*s.* to 170*s.*, and Japanese at from 125*s.* to 135*s.*

GUAIACUM.—Our New York correspondent, under date of July 5, reports that spot stocks are practically exhausted, due to internal trouble in Hayti, and further supplies will not be available for some time.

HEXAMINE has been arriving more freely, but appears to go rapidly into consumption; 9*s.* 6*d.* to 9*s.* 9*d.* are current values.

Index Folio 596

HYDROQUINONE is unaltered at from 17*s.* 6*d.* to 18*s.*

HYPOPHOSPHITES.—Lime is offered at 4*s.* 3*d.*, sodium at 4*s.* 6*d.* on the spot, and potassium at 7*s.* to arrive.

LEMON OIL has been selling to arrive at from 3*s.* 8*d.* to 3*s.* 10*d.* per lb. c.i.f., spot value being from 4*s.* 1*d.* to 4*s.* 2*d.*

LINSEED (CRUSHED).—A reasonable quantity is now available for human medicinal purposes only (see p. 34).

MENTHOL is flat at from 13*s.* 10½*d.* to 14*s.* on the spot, and to arrive, June-August shipment, sales of Kobayashi-Suzuki have been made at 13*s.* 6*d.* c.i.f. It is possible that more interest may be taken in this product later, in view of the proposed intervention of Japan in Siberia.

METHYL SALICYLATE shows a sharp decline owing to arrivals of fair-sized quantities, current prices being from 7*s.* to 7*s.* 6*d.* per lb. on the spot.

MILK-SUGAR.—In view of the important arrivals, amounting to 323 packages, there has been a sudden drop, with offers to sell finest powder at 5*s.* per lb. to consumers, although some traders are still holding out for 7*s.* to 7*s.* 6*d.*

MINT OIL has been in rather more inquiry at from 3*s.* 10½*d.* to 4*s* on the spot, and for June-August shipment 3*s.* 6*d.* c.i.f. has been paid for Kobayashi-Suzuki.

MORPHINE is firm, makers selling small lots of hydrochloride for home consumption at 19*s.* 6*d.* per oz. Export trade is confined to strictly legitimate requirements.

OLIVE OIL.—Proprietors of Spanish olive plantations and oil traders in general are very indignant at the official attitude in regard to the exportation of oil, and complain that both the French and Italian markets will be lost to them if drastic changes be not introduced. The export tax is fixed at Pes.30 per 100 kg. The Commissioner of Supply refuses to accede to the oil merchants' claims on the ground that they are excessive, and also because the internal consumption of Spain must be assured, which would be impossible were the export trade left free. There is a prohibition against the importation of olive oil into the United States from Spain. As this comes at a time when large reserve stocks have been accumulated in Spain, and when 1918-19 crop is very promising, a severe setback has been given to the market. The American Consul at Malaga reports that weather conditions have been very satisfactory for the next olive oil crop, which will be harvested in October in the vicinity of Malaga, and in December in the northern part of the district. There has been an abundance of rain evenly distributed over the last five months. The record-breaking yield of olive oil of last year practically all remains in the storehouses of the Peninsula. During April the Spanish Government issued orders giving the conditions under which olive oil could be exported. However, so many formalities were prescribed that practically no oil has been exported up to June 29. The restrictions caused considerable disappointment among the exporters of Malaga oil. Notwithstanding, the market has remained firm. However, unless the conditions under which the oil can be exported are made more favourable a fall in the existing prices is predicted. The prohibition of imports of olive oil into the United States caused a further shock to the trade.

OPIUM is quiet, with 10 per cent. Persian offering at about 58*s.* per lb. on the spot.

PARALDEHYDE.—Prices vary from 9*s.* to 10*s.* per lb., as to quantity and seller.

PEPPER is firm, with sellers of fair *black* Singapore on the spot at 1*s.* 10*d.*; there are buyers of fair Tellicherry at 1*s.* 11*d.*, and Aleppy has been sold at 1*s.* 10¾*d.* *White* pepper is also firm, with buyers of Muntok at 3*s.* 5*d.* and Singapore at 3*s.* 4½*d.* per lb.

PEPPERMINT OIL.—Another scare has been sent out from the American producing districts to the effect that a great deal of damage has been done to the plants by frost. Such reports, however, do not affect this market, as the consumptive demand has been extremely small for a lengthy period. The spot price of finest American tin oil is from 22*s.* 6*d.* to 25*s.* net, and more inquiry is reported this week.

PHENACETIN.—Sellers are obtaining 20*s.* per lb., which can be regarded as current market price.

PHENAZONE is offered at 45*s.* per lb. in cwt. lots, and at 46*s.* for less.

PHENOLPHTHALEIN is somewhat scarce on spot at about 50*s.*, while to arrive 42*s.* 6*d.* is quoted.

PIMENTO is firm, with spot sales at 6½*d.* per lb.

PIPERAZINE meets with an occasional demand, the price being 10*s.* in 1-oz. bottles.

QUICKSILVER.—The "Epoca" (June 21) reports that the Spanish Government has nominated a Royal Commission to exploit and administer the Almaden quicksilver mines.

QUININE has continued in good demand, and as the scarcity continues sales from second-hands have been made at from 3*s.* 9*d.* to 4*s.* per oz. for sulphate.

QUININE ETHYLCARBONATE is rather dearer at 14*s.* per lb. on spot.

RESORCIN of finest French make is obtainable at 42*s.* 6*d.* per lb. on spot.

SACCHARIN.—In view of the larger spot supplies the demand appears to have eased off somewhat for the time being, and the market has fluctuated, there being offers during the week down to 250*s.* per lb., duty unpaid, for 550 pure, with a subsequent recovery to 257*s.* 6*d.*, business having been done at both these prices. A New York advice, dated June 29, states that an English house is willing to pay a substantial price for shipment of large quantity of saccharin to London *via* aeroplane. A further advice, dated July 3, intimates that makers seem to be getting further behindhand in their deliveries, and the demand has recently increased enormously; sales of soluble have been made at $27.00, but the insoluble is offered somewhat more freely.

SALICYLATES.—In view of the rise in carbolic acid, there is a reasonable prospect of a recovery in prices, and 4*s.* 3*d.* may be regarded as the lowest for B.P. or U.S.P. salicylic-acid powder. Sodium salicylate tends to improve at 6*s.* 3*d.* for B.P. powder.

SALOL is slack at about 9*s.* 6*d.* per lb.

SHELLAC is steady but quiet, with sellers of usual standard quality TN Orange at 340*s.*, and cakey AC Garnet at 330*s.* on the spot.

TAMARINDS.—Resales of lots ex last week's auction of West Indian have been made up to 140*s.*

TANNIC ACID is arriving more freely, current prices being from 9*s.* 6*d.* to 10*s.* for *leviss* on spot.

TARTARIC ACID.—Shipments have come to hand more freely of late, but there is a ready market to absorb them, as this is the chief period of consumption; spot value is 3*s.* 6*d.*, which closely approximates to the price asked in Italy.

THYMOL is slightly firmer at about from 48*s.* 9*d.* to 50*s.* per lb.

TRAGACANTH.—The stocks are appreciably lower on the spot, but the Government still declines to give facilities for shipments to come forward from Bombay and Persia, so that fresh consignments will be urgently wanted shortly.

TURMERIC continues firm, sellers asking 130*s.* to 135*s.* per cwt. for Madras finger and 90*s.* for Cochin split bulbs. Bengal finger has been sold at 95*s.*

TURPENTINE is firm at 116*s.* for American on the spot.

VANILLIN is on the easier side at about 67*s.* 6*d.*

Arrivals of Chemicals, Drugs, etc.

The following arrivals have taken place at the ports of London and Liverpool during the period named below. Particulars of imports of oils, oilseeds, nuts, fats, gums, etc., are not now published.

To London
(July 6 to 12).

Bronze-powder, 14 cs.
Canary-seed, 9 bgs.
Chemical products, etc. unrated, 20 cs. 3 pkgs.
Argol, 1,695 bgs.
Calcium citrate, 156 cks.
Cream of tartar, 182 cks.
Formaldehyde, 5 brls.
Oxalic acid, 12 cks.
Potash carbonate, 125 cks.
Quinine, 2,000 oz.
Saltpetre, 1,990 cwt.
Soda, unrated, 22 cwt.
Tartar, 190 bgs. 251 cks.
Tartaric acid, 92 cks. 4 brls.
Wine-lees, 556 bgs.
Dental goods, 3,981*l.*
Drugs, etc., unrated, 88 bls.
Dutch drops, 9 cs.
Ergot, 29 bgs.
Menthol, 75 cs.
Papain, 6*l.*
Senega, 7 bls.
Valerian-root, 85 bgs.
Vanilla, 14 cs.
Dyeing and tanning materials, unrated, 246 pkgs. 126 bxs. 300 cs. 3 cks.; chestnut ext., 4 cks.; cutch, 200 bxs.; indigo, 68 chts. 25 cs.; myrobalans, 12,392 pockets, 5,440 bgs.; tanners' bark, 677 tons
Gelatin, 1,675*l.*
Perfumery: toilet-powder, 107*l.*
Plumbago, 30 cks. 1,463 bgs.
Sponge, 91 bls.
Starches (cwt.): farina, 6,194: potato, 1,286; rice, 500
Talc, 760*l.*
Wax, bees', 157 cs.
Wax, paraffin, 5,498 cwt.; scale, 3,735
Wax, vegetable, 259 cs.

To Liverpool
(July 8 to 13).

Carbon black, 35 cs.
Celluloid, 263 cs. and 2,502*l.*
Chemical products, etc.: Acetanilide, 9 pkgs. 5 brls.
Ammon. bromide, 22 cs.
Argol, 117 bgs.
Betanaphthol, 27*l.*
Calcium lactate, 6 cs.
Coumarin, 1 cs.
Cream of tartar, 20 cks.
Creosote, beechwood, 8 pkgs. 34 cs.
Diamine, 1 cs.
Ferro-phosphorus, 16 cks.
Formaldehyde, 39 brls.
Glycerophosphates, 6 cs.
Heliotropine, 3 cs.
Hydroquinone, 20 cs. 1 keg
Lactic acid, 49 cks.
Lithia carbonate, 1 brl.
Methyl salicylate, 44 cs. 29 pkgs. 30 brls.
Milk-sugar, 90 brls.
Paraform, 10 brls.
Phenolphthalein, 4 cs.
Potash bromide, 5 cs.
Pyrogallic acid, 10 cs.
Safrol, 14 cs.
Salol, 20 cs.
Soda bromide, 69 cs.
Soda hyposulph., 30 brls.
Soda salicylate, 7 cs.
Tannic acid, 12 brls.
Wine-lees, 117 bgs.
Dental goods, 896*l.*
Drugs, etc., unrated, 11 pkgs. 113 bls.
Aloin, 3 brls. 5 pkgs.
Black-haw bark, 11 bls.
Cannabis indica (E.I.), 10 bls.
Cascarilla, 4 pkgs.
Elderberry, 14 cs.
Ergot, 276 bgs.
Honey, 110 cs.
Sarsaparilla, 9 bls.
Sassafras-bark, 7 bls.
Scammony-root, 850 bgs.
Tuba-roots, 184 bls.
Vanilla, 22 cs.
Wild-cherry bark, 7 bls.
Dyeing and tanning materials, etc.: chestnut tanning ext., 303 cks.; cutch, 450 bxs.; fustic, 30 tons; gambier, 1,731 cs.; block, 25 tons; hematine crystals, 15 brls.; logwood, 19 tons; logwood ext., 4 bxs.; indigo, 70 chts. 1 box; wattle-bark, 1,955 bls.
Resinol ointment, 70 cs.
Starches (bags): corn, 150; farina, 64; pearl, 1,250; potato, 125
Talc, 500 bgs.
Wax, paraffin, 1,449 bgs. 5,556 cs.
Wax, sugar cane, 569 bgs.

Paraldehyde.

The relative quality of American and British made paraldehyde was referred to incidentally in the *C. & D.*, April 27, p. 50, the remark being made that the American make seemed "at present to be superior to English" paraldehyde. We have since further investigated this question, and have obtained reports from reliable sources on various samples, the details of which we give below. A and B are samples obtained from importers of American chemicals, while C and D were obtained from English chemical-manufacturers, and assumed to be made by them. It is to be noted that there are scarcely any differences between the requirements of the British and the U.S. Pharmacopœias. The samples in question had the following characters:

	A.	B.	C.	D.
Specific gravity ...	0.999-0.9992	0.997-1.000	0.999-1.000	0.999
Distillation below 123°	2-9%	9-12%	7-12%	5%
,, ,, 125°	13-90%	9-89%	15-82%	10%
,, ,, 126°	4-80%	3-76%	69%	75%
,, residue	2-5%	3-6%	4-6%	10%
Melting-point	9.5-12°	11-14°	12-13°	11°
Solidifying-point ...	8-11°	8.5-11°	11°	10.8°

These figures indicate no substantial difference between the quality of the two groups of samples, except that with regard to sample D the residue distilling over 126° is nearly twice as high as that of any of the other samples. The difficulty of manufacture appears to be overcome, and, generally speaking, these samples are of the same standard as that of the pre-war article.

German Rubber-supply after the War.

The following is an abstract from an article in "Tropenpflanzer," by Ch. Böhringer, on "The Supply of Tropical Produce for the German Chemical Industry," which is reprinted in the "Norddeutsche Allgemeine Zeitung" (May 6): "The British are determined to charge us maximum prices for their Colonial products, and also for rubber, after the war. We must retaliate by favouring non-British produce until the steadily increasing production of British rubber brings about the collapse of these high speculation prices. An immediate rise in prices is not inevitable after the war, because until then the full yield of all trees planted before 1909 will come on the market. About one million acres may be reckoned upon, so that a surplus supply, rather than a want, of rubber is to be expected, provided that buyers are not too precipitate. Fluctuations of 100 per cent. are symptoms of disease which will pass as the industry grows older. Both buyer and seller should avoid all speculation, and thus allow prices to develop naturally. Rubber production is steadily increasing; a comparison of freights and prices shows that more rubber is actually being produced than is required. It can hardly be asserted at present that the production of synthetic rubber will be practicable. The synthetic product has the advantage of being of purer composition than the natural product. If this problem can be solved, it will be owing to Germans. This does not, however, imply that the work of manufacturing synthetic rubber is at a standstill. During the war the German chemical-industry has worked wonders, and the production of rubber has advanced with other departments, although the war has increased the cost of materials."

Italian Copper Sulphate.

According to the "Bollettino del' Ispettorato dell' Industria e del Lavoro" for January-February 1917, there were seventeen factories in Italy, owned by eleven firms, producing copper sulphate in 1916. The daily average output during the 1915-16 season was 3,500 metric quintals, which might be increased to 4,300. About 730 workmen were employed. Italy's consumption in 1914 was calculated at 513,934 quintals, of which quantity 219,058 quintals was imported, the bulk coming from the United Kingdom. During the 1915-16 season Italy produced 747,022 quintals (sixteen factories working an average of 220 days), and imported only 84,675 quintals. The average annual consumption in 1915-16 might be calculated at 600,000 quintals, with a maximum of 800,000 quintals. Assuming that each Italian factory can work 250 days during the season, Italy would be able to produce 867,500 quintals per season, which would cover all her requirements and leave a margin for export. The cost of manufacture per quintal in Italy is calculated as follows: 1913-14, 8 lire; 1914-15, 10 lire; and 1915-16, 20 lire. The selling-prices increased from 51 lire in January 1914 to 150 lire in April 1916.

Other Nations, Please Copy.—A fifty-year ban has been placed by the Iowa State Medical Society upon the purchase of medical implements or appliances or other things made in Germany.

Correspondence

Chemists and Military Service.

Sir,—The letter of "Cumbrian" in the *C. & D.*, July 20, p. 50, is exactly the kind of letter I have been looking for, as I have reason to suppose his case is typical of many others. When the constitution of the Pharmaceutical Central Advisory Committee was made known I intimated to the Secretary of the Committee that it might not prove altogether satisfactory, as the pharmaceutical service problem in the villages and small towns was a difficult one, and there appeared to be no one on the Committee thoroughly conversant with the particular difficulty. It would appear as if my suggestion was a pertinent suggestion. I am gathering data on this subject, and should be pleased if those chemists who are in a similar position to "Cumbrian" would supply me with such particulars as they care to submit, in confidence, by July 31. Even had "Cumbrian" come within the "clean cut," it seems to me, from the details submitted, that he might still be within the limits of Paragraph 7 of N.S.I. No. 103 of 1918. I assume that his town has probably to supply the needs of a wide area outside, and, were his business to be closed, the other business could scarcely meet the needs of the district without securing additional help. Investigation would probably prove the accuracy of my surmise. But since "Cumbrian" is thirty-two years of age, qualified, and the owner of the business, he does not come within the "clean cut," and so he has a very real grievance against the action of the Sub-Committee referred to. For such a Committee to arrogate the wisdom to adjudicate upon technical problems without technical guidance is an alarming matter; but when the Committee goes still further and palpably ignores Paragraph 3 of I.C.L. 230G—a paragraph suggesting to that very Committee the desirability of suspending any formal agreement with the National Service Representative in regard to such men as "Cumbrian"—then it is surely time to call a halt. "Cumbrian" will appreciate that, since this almighty Committee has so decided, he is now no longer in a "certified" occupation, and his Pharmaceutical Committee may feel itself helpless in consequence. I am of the opinion, however, that if the latter Committee is not in agreement with the almighty one, it has every right to prepare and issue a report to the Pharmaceutical Central Advisory Committee, and solicit the co-operation of that Committee in remedying the injustice. An Insurance Committee may appoint a Sub-Committee which does not consist wholly of members of the Insurance Committee. This provision is met by Section 59 (4) (*c*) of National Insurance Act, 1911, by Article 38 (1) (2) of the Insurance Committees Consolidated Regulations (England), 1916, and by Article 39 (2) of the Insurance Committees Consolidated Regulations (Scotland), 1916. It is now our business, I think, to turn the above to proper account, and to secure adequate pharmaceutical representation on these Military Service Sub-Committees (see my letter in the *C. & D.*, July 13). The way to do it is to secure the issue of a suitable instruction to this effect by the Insurance Commission to the Insurance Committees, and the Committee to bring it about is that Pharmaceutical Central Advisory Committee whose assistance "Cumbrian," in sweeping terms, asserts has been "worth absolutely nothing." Yours faithfully,

Codnor. Clement W. Ridyard.

Sir,—The letter of "Cumbrian" displays a typical instance of how it should not be done. "Cumbrian" is suffering an injustice because as an individual he possesses no power over the military machine. His Pharmaceutical Committee fails to protect him, the Society proves a broken reed; but why? It should not be the case. It is not so in Derbyshire. I hope the great ones up at headquarters will not be hurt when I say the Derbyshire Pharmaceutical Committee is stronger in our area than the Society, that justice is done, there are no such cases as "Cumbrian's," there is no breakdown in the service, and also let it be said—which is our greatest testimonial—the military are satisfied also. "Cumbrian," the mistake lies here: your Committee should not have been allowed by the Society to act the part of suppliants and wait in an antechamber while a decision is given, with nobody to watch your case. Your Pharmaceutical Committee, or at least some members of it, with your Secretary, should have been (which was their right under the Act) a party not outside the Sub-Committee dealing with pharmaceutical cases. We have this right, this power, in Derbyshire, and order and justice

are the rule; in some areas, at least, there seems to be chaos.

Yours,

W. G. L. (134/46.)

SIR,—"Cumbrian" writes in the *C. & D.*, July 20, p. 50, about his treatment by the Insurance Committee. As a member of the Cumberland Insurance Committee and Secretary of the Pharmaceutical Committee, with an intimate knowledge of the Cumberland chemists, I can neither locate the town mentioned or the number and ages of the chemists or the number of Insurance and private prescriptions given. Besides, I cannot understand the case of any chemist being brought before our Insurance Committee without my knowledge. If "Cumbrian" will communicate with me I will see that his case is brought before the Insurance Committee, as the quarterly meetings will be held during the next two weeks.

Yours faithfully,

T. W. TOWNLEY,

Secretary Cumberland Pharmaceutical Committee.

[Our correspondent who used the pseudonym "Cumbrian" does not reside in Cumberland, although born in that county. We commend to other Secretaries of Pharmaceutical Committees the helpful spirit shown in Mr. Townley's letter, and only hope that the Pharmaceutical Committee of the area where "Cumbrian" resides will act with at least part of the energy displayed by Mr. Townley. —EDITOR.]

SIR,—Is there any explanation why it is that after the arrangement come to by the National Service Ministry and our Society proprietors and managers over thirty-one are being called up for military service, also assistants in Grade 2? Surely some steps should be taken at once to see that these regulations are explained and emphasised to the Tribunals by our local Secretary. In my town they have apparently been ignored both by the Advisory Committee and the Secretary, which gives no end of trouble and annoyance both to employer and assistant. A meeting of protest has already been held, when we had to hear the astounding remark from a member of our own Advisory Committee, "I am no advocate for the chemist." As there may be similar gentlemen enemies to their own cloth, my advice is that a special meeting should be called by all local Associations to consider the new conditions *re* calling up of chemists, and to insist on their being carried out.

Yours truly,

FAIR PLAY. (219/36.)

SIR,—Every chemist is indebted to you for your letter *re* Sale of Poisons which you have sent to Clerks to Insurance Committees. You have done more good than a world of talk or resolutions, and your educative work is bound to bring forth fruit. There has just occurred one of those visitations which we call an epidemic on account of its prevalence. Doctors and chemists alone have had to fight it, and it has been a stiff fight for many weeks now. Doctors are few, and the ranks of chemists have been depleted, so that both classes have had a big struggle to get through the work. The doctor has done as much as he could; he has been run off his feet, but for every case he has seen the chemist has dealt with a score—perhaps milder cases, still, he has pulled the weight off the doctor. Where would the public have been without the chemist? I venture to say the death-rate would have been higher than it is at present. The chemist has had abnormal Insurance dispensing to do, and on top of that has had to put out all he knows to satisfy the milder cases, and he has not had much help from his wholesale house. I think this period of epidemic should be a warning to those in authority not to go too far in their depletion of the ranks of chemists, as it is shown that they are a distinct public service.

Yours faithfully,

VIGILANT. (132/56.)

Profits, Percentages, and Discounts.

SIR,—As I took a small part in the debate which was conducted in the *C. & D.* some time ago on the question of profits, I should like to express my indebtedness to Mr. John Humphrey for the valuable contribution to the subject which appeared in the *C. & D.* He certainly clears up the mystery of percentages and profits on sales and costs in a manner that to my mind leaves not another word to be said. I shall retain the article carefully, so that when in doubt I can refer to it.

Yours truly,

T. F. G. (130/19.)

SIR,—I wish you could induce the Progressive Pharmacy Club to issue, bound together, those valuable lectures appearing from time to time when they are concluded. You have conferred a real benefit on your readers by printing Mr. John Humphrey's notes on profit, percentages, and discounts. It reminded me of my last visit to the B.P.C. at Chester, and especially to the practice section there.

Yours truly,

Belfast. SAMUEL HOGG.

SIR,—It is gratifying to find such serious attention being directed to the subject of my recent lecture, and I trust that others of your readers may feel disposed to help in elucidating the questions involved. The lecture was prepared at short notice, with the object, *inter alia*, of eliciting the views of practical men on the subject, and I am indebted to private correspondents, as well as to your able contributors, for offering suggestions which cannot fail to prove extremely helpful when the lecture notes are prepared later for publication in book form. Further comments and suggestions will be heartily welcomed. I would like to add that I purposely chose the form "necessities" in preference to "necessaries," and that its use by Shakespeare appears sufficient justification for its employment by me.

Yours faithfully,

JOHN HUMPHREY.

Progressive Pharmacy Club, London, W.C.

The N.B.B. Executive Election.

SIR,—Great dissatisfaction is felt, and is strongly being expressed, as to the hurried way the Executive election was gone about. It is said that that accounts for the fact of only one-fifth of the members resident in Scotland exercising their vote. "Hustle" is all very well, and may do all right with Americans in America, but in Scotland the motto is "Ca' Canny." Candidates ought to be given the chance, whether they take it or not, of putting their views before the electorate. Another point that is strongly resented and discussed is the fact that certain members never seem to think they should retire and allow the younger generation to take an interest in the management of affairs. Sentiment is all very well, but business ability and energy to carry on is what is needed in these strenuous times. Great disappointment is felt that one at least, if not all, of the three ladies who had the courage of their convictions and allowed their names to go for election was not elected. This also, it is said, would have been different if time had been given instead of rushing the election. Comment is also being made on the fact that members have no voice in the annual election of Divisional Secretaries, and that these seem to be life positions. It is also thought that members of Executive should on no account hold the position of Divisional Secretary while acting as member of Executive. Altogether things seem shaping for an explosion in the near future, some even going the length of saying that they will relinquish their membership of the Society.

Yours truly,

FIFER. (91/78.)

Weighing-machine Proceeds.

SIR,—I have on several occasions noticed correspondence in the *C. & D.* regarding weighing-machine proceeds. At the beginning of last year I had a "Red Cross" box attached to my weighing-machine, the charge for weighing being 1*d.*, but customers contribute as they feel inclined. In this way a few pounds have been collected.

Yours faithfully,

Ammanford. LUTHER BYE.

SIR,—I have been asked by some chemists in the South-Western area, who wish to support the scheme of collecting for St. Dunstan's Hostel, for boxes, weight-cards, etc. I have a number of boxes on hand, and shall be glad to deliver them free, together with other advertising matter, to any chemist interested, and will forward the names to St. Dunstan's. The worthiness of the cause is self-evident to everyone and requires no pleading, but if additional reasons were necessary why we should contribute to St. Dunstan's at this time, I might mention it is seldom that chemists, as a body, have such an opportunity of identifying themselves with a national cause. Then, again, it clothes your weighing-machine with honour as with a garment. When the penny for weighing used to go into the till, I never cared to look my weighing-machine in the face—it always reminded me of Scrooge; but now it has become a devotee to St. Dunstan's its features are transformed to those of the Cheeryble Brothers.

Yours faithfully,

71 Lavender Hill, London, S.W. A. J. FAIRLEE.

Eczema-lotion for Dogs.

SIR,—Regarding the inquiry for an eczema-lotion for dogs and your reply to "Sed Quære" (*C. & D.*, July 20, p. 52), years ago a customer of mine used to buy a mixture of balsam of Peru 1 part, methylated spirit 5 parts, which he told me was an infallible cure for eczema in dogs. I have tried it dozens of times since and have always found it successful. It is applied with a feather or camel-hair pencil three times a week. I have had several good tips from your columns, and hope this will wipe out a bit of my debt.

Yours truly,

Smethwick. H. M. TRANMER.

Dispensing Difficulties and Notes.

A Creosote Mixture.

SIR,—Will you tell me whether it is possible to make a presentable mixture from the following?—

Creosot.	♏ij.
Sp. æther. nit.	♏x.
Tr. camph. co.	♏x.
Aq. ad	℥ss.

Mitte ℥viij.

Yours faithfully,
G. H. D. (121/51.)

[This prescription, when compounded as written, makes quite a nice mixture, and we do not advise the addition of any auxiliary substance. Dissolve the creosote in the sweet spirit of nitre and compound tincture of camphor and add the requisite quantity of water—distilled. Creosote being soluble in about 150 parts of water, there would not be much of it undissolved even if water alone were the vehicle, and with the alcohol contained in the sweet spirit of nitre and compound tincture of camphor the whole goes into solution. The mixture is cloudy, but that condition is mainly produced by precipitation of essential oil from the tincture in presence of water.]

Legal Queries.

Most difficulties in trade law are explained in the legal section of "The Chemist and Druggist Diary," 1917, beginning on page 353.

J. M. W. L. (133/43) ordered some goods from the manufacturers on May 14, and paid for them on the same day. The goods have not been supplied, and the manufacturers ignore "J. M. W. L.'s" demands for the return of the price paid for them. What course should "J. M. W. L." adopt? [Apparently the only remedy open to "J. M. W. L." is to sue the manufacturers for damages for non-delivery of the goods ordered.]

Karo (91/19) asks the meaning of the legal terms *subpœna ad testificandum, subpœna duces tecum*, and *habeas corpus ad testificandum*, which occur in Statutory Rules and Orders No. 827, 1918, dealing with National Health Insurance. [A *subpœna ad testificandum* is a writ issued by the Court commanding a witness to attend the court to give evidence. A *subpœna duces tecum* is a similar writ, which also calls upon the witness to bring with him and produce documents. A *habeas corpus ad testificandum* is a writ which secures the attendance in court, as a witness, of a person who is in prison.]

Rex (130/35) holds premises under a lease which prohibits him from sub-letting. Some time ago he appointed a resident manager, who, without "Rex's" knowledge, let two rooms of the premises for a period of a year at a rent of 10*s.* per week. What are the rights and liabilities of the parties concerned? [The position raises so many points which hinge upon the actual terms of the lease and of the agreement between "Rex" and his manager that we advise "Rex" to consult a solicitor. We certainly consider that the manager had no implied authority to let the rooms, and, assuming that the letting of even part of the premises is contrary to the terms of the lease, "Rex" should not acknowledge the tenancy by accepting rent from tenant of the rooms, but should take immediate steps to have the rooms vacated by the tenant.]

J. C. C. (128/57) refers to the article in the *C. & D.* (June 29, p. 44) as to the Finance Act, 1918, dealing with sales of chemists' businesses with trading stock, and asks how it would affect the sale of a business which included stock, fixtures, and fittings, and goodwill for a lump sum, if the stock had never been taken for income-tax purposes. He also wants to know if there is any need to ask the Inland Revenue Commissioners for permission to sell, and if the Royal Assent has yet been given to the Act. [Excess-profits duty is made payable by the Act on the profits arising from a sale of trading stock sold with the business. In the case given by "J. C. C." it does not matter that the stock had never been taken for income-tax purposes. On a sale the Commissioners would apportion the price obtained for the whole business in this way: So much for the stock, so much for fixtures and fittings, and so much for goodwill; then, by comparing the sum put down as obtained from the stock (which would ordinarily be the market price at time of sale) with the pre-war assumed value or price, the amount on which excess-profits duty is chargeable, subject to deductions, would be found. If the taxpayer is dissatisfied with the sum at which the Commissioners have put the price of the stock, he has a right of appeal to the Board of Referees. There is no need to ask permission to sell. But if anyone wishes to dispose of trading stock otherwise than by way of sale he must first give security to the satisfaction of the Commissioners for the payment of any excess-profits duty which may be due on the transaction. Such would be a chemist passing over his shop with the stock to a son setting up in business. The section imposing the duty came into force as recently amended on April 22, although the Royal Assent has not yet been formally given to the Act itself.]

Miscellaneous Inquiries.

When samples are sent particulars should be supplied to us as to their origin, what they are, what they are used for and how. We do not undertake to analyse and report upon proprietary articles nor to publish supposed formulas for them.

E. E. S. (132/50).—BOOKS ON PHARMACY.—Caspari's "Treatise on Pharmacy" (Kimpton, 21*s.*); Lucas's "Practical Pharmacy" (Churchill, 12*s.* 6*d.*).

Veritas (127/2).—(1) Pye's "Elementary Bandaging and Surgical Dressing" is published by Wright, Bristol, and obtainable through any bookseller. (2) We have not space to reprint matter that has appeared in past issues of the *C. & D.*, but we agree with you as to the interest in the article to which you refer. (3) CAPSICIN EQUIVALENT OF CAPSICUM.—Owing to the menstrua used for preparing capsicin and in making tincture of capsicum being different, there is no exact relation between capsicin and the tincture. A solution containing from 100 to 110 gr. of capsicum per pint may be taken as a fair equivalent. (4) MEERSCHAUM PIPES are "waxed" by immersion in melted beeswax or tallow.

Homo (116/43).—CHOCOLATE.—The following is an outline of the process for making chocolate: The cocoa-nibs are ground in a mill consisting of stone or metal rollers, which are heated so as to soften the cocoa-butter contained in the nibs. The warm, smooth paste which passes from the mill is then placed in a mixing-mill and incorporated with sugar and flavouring-ingredients, such as vanilla, cinnamon, cloves, or cassia.

E. T. E. (128/73).—WATERPROOF-DRESSING FOR CART-COVERS.—The white or colourless applications employed for waterproofing canvas consist of two baths, one containing soap (½ oz. to a gallon of water), and the other aluminium acetate, made as follows:

Aluminium sulphate	1 lb.
Lead acetate	½ lb.
Water to	8 gals.

Dissolve the salts separately, mix the solutions, allow to settle, and pour off the clear solution.

The canvas is first soaked in the soap-solution for twenty-four hours, drained, and hung up until partly dry. The canvas is then immersed for a few hours in the solution the formula for which is given above. Finally, the fabric is rinsed with water and dried by artificial heat. Another method of waterproofing which might suit your requirements is to dip the canvas in a 10-per-cent. solution of anhydrous lanoline in petrol, the lanoline being previously liquefied by means of carbon tetrachloride.

Retrospect of Fifty Years Ago.

Reprinted from "The Chemist and Druggist," July 15, 1868.

Food for the People.

The Society of Arts has had a committee sitting throughout the year, which has received evidence from a great number of persons interested, commercially, scientifically, and philanthropically, in the alimentation of the people. The summary of their year's proceedings includes an energetic recommendation to diffuse better information amongst cottagers, farmers, and others, as to the ways of profitably raising poultry for the markets. They think much benefit to the country may be derived from the formation of a piscicultural committee. The prospects of bringing cheap and satisfactory supplies of fresh meat from distant countries are not much brighter than before, unless Mort's Australian plan of refrigeration in vacuum chambers should prove commercially successful. Something is to be done, on the recommendation of Mr. Berkeley, to diffuse useful information concerning "the edible character of large classes of mushrooms of which no use is made now in this country."

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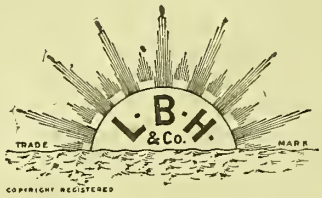

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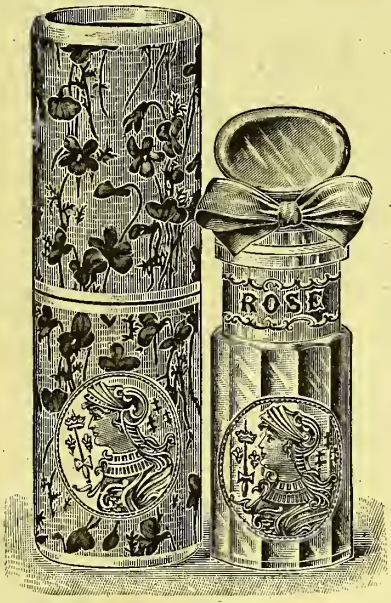

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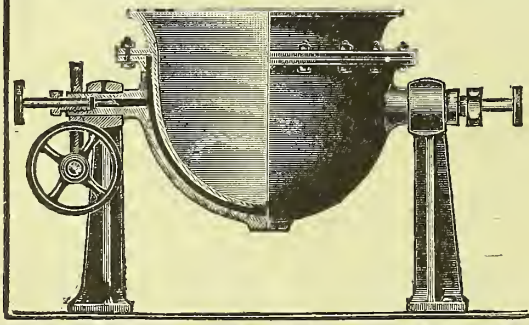

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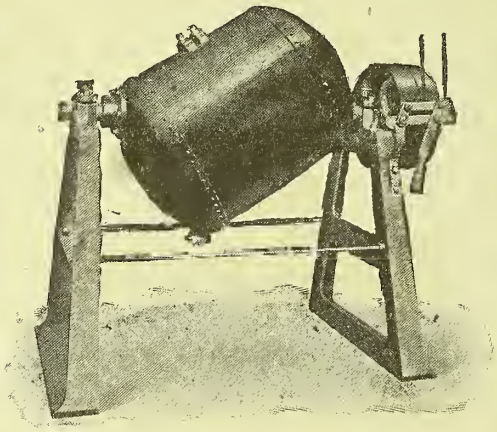

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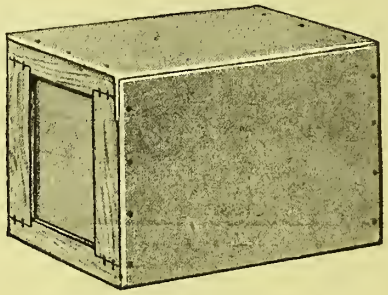

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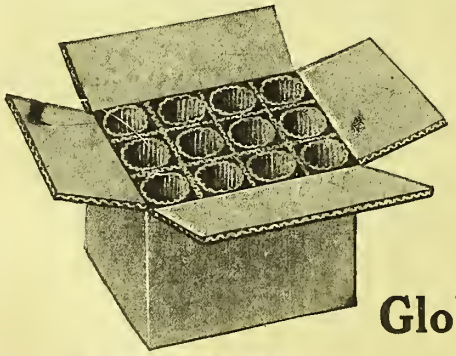

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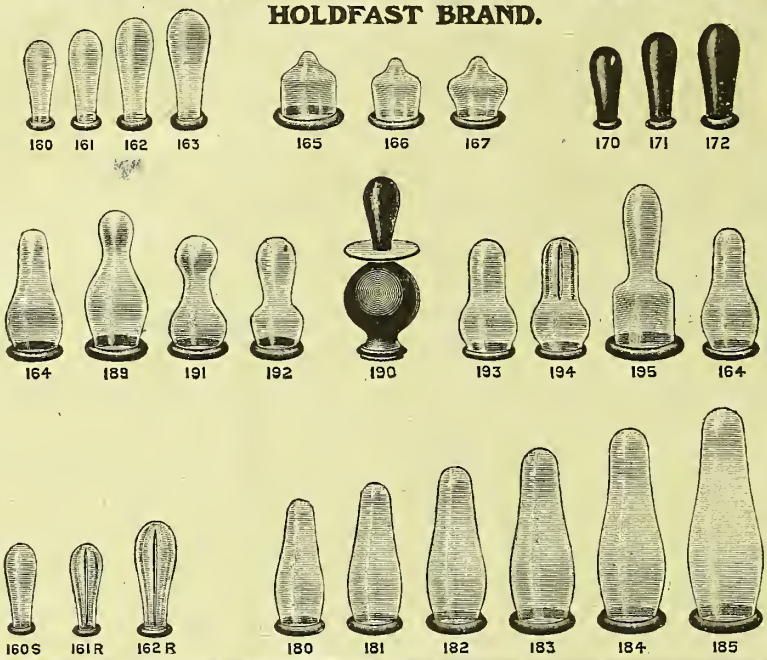

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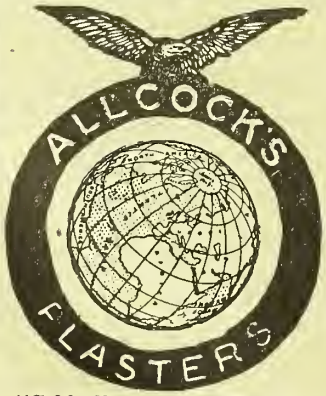

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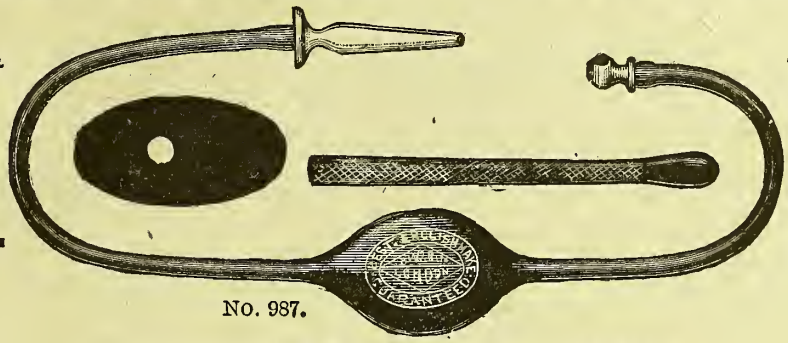

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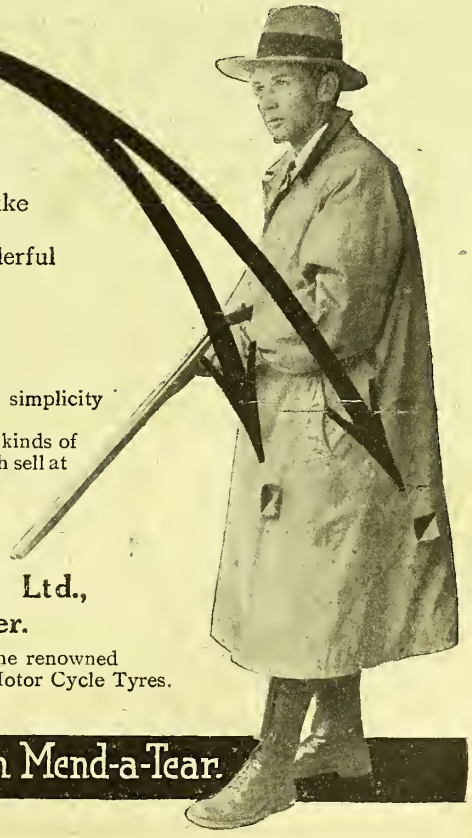

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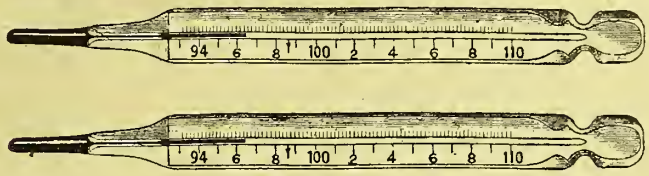

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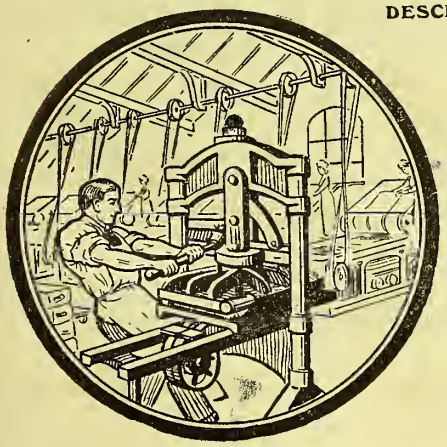

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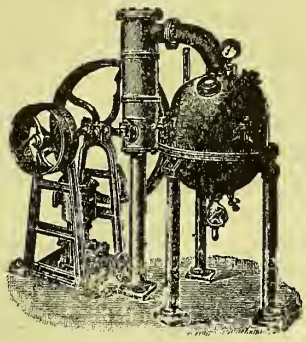

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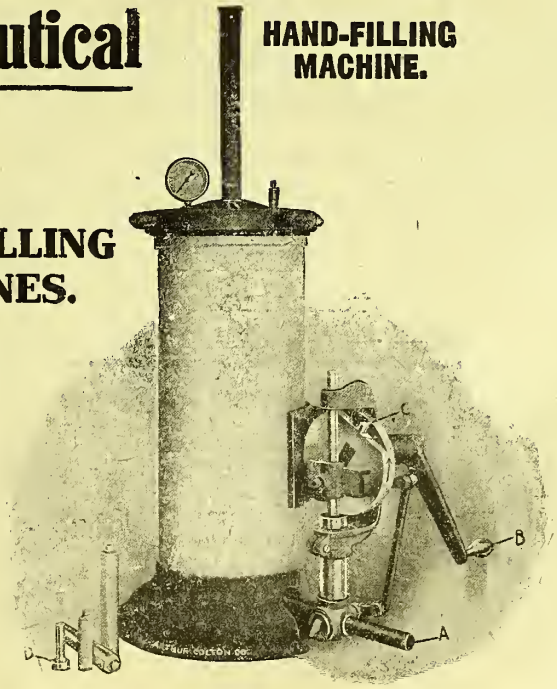

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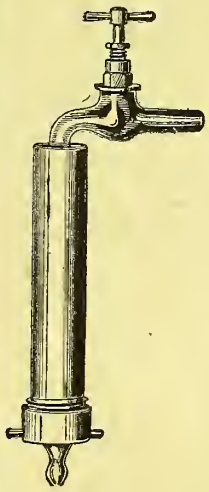

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SOUTH SHIELDS.—Very old-established Business; good position; low rent; wine licence; present turnover £1,500. Apply Alf. Eltringham, 20 Fowler Street, South Shields.

A GOOD old-established Business for Sale; agricultural district; Midlands; rent £40; appointments £32; returns £700 and increasing; price £550; splendidly fitted shop; large house and garden; plenty of scope for increased turnover; good opening for Dental practice in addition. Apply "Imperative" (223/17), Office of this Paper, enclosing stamped addressed envelope for reply.

GOOD-CLASS Chemist Business in pleasant suburb of Manchester; good appearance; nice front; no opposition; would suit lady; good house; low rent; for speedy sale £120 or offer. Apply Chemist, 7 Highfield Street, Cheetham, Manchester.

GOOD-CLASS Retail and Dispensing Business, with N.H.I. work, for disposal; within a few miles of Manchester; returns £700, increasing; will accept valuation of stock and fixtures; fullest investigation invited. Address 214/31, Office of this Paper.

IN centre of high-class residential town, old-established Dispensing and good Family Business, with valuable appointments; low rent and expenses; Home County; capital required about £2,000. Particulars on application, enclosing references. "Amicus," 74 High Street, Wallingford, Berks. Vendor retiring.

OLD-ESTABLISHED Retail, Prescribing, and Dispensing; also Sight-testing Optician's business in North of England. Apply 118/36, Office of this Paper.

OLD-ESTABLISHED Agricultural, Veterinary, and Dispensing Business for Sale in important munition area; county town, with large weekly market; at present being run as a branch; returns £800 under indifferent management; could easily be doubled; present owner unable to give adequate supervision on account of health; no reasonable offer refused. Apply to 220/31, Office of this Paper.

AGENCIES.

AGENTS and Representatives all over the United Kingdom, calling on Chemists and Druggists, Perfumers, Stores, etc., for a saleable line at present on good commission; good terms only, with good connection and references, need apply. "Manufacturing Chemist" (220/6), Office of this Paper.

MANUFACTURERS of fine Chemicals, Drugs, Perfumery, Products, makers of all kinds of Pharmaceutical and Toilet articles and distillers of Essential Oils, who are desirous of being represented in Egypt for the introduction and sale of their goods, should communicate with Vassiliadis & Feinberg, 6 Sherif Pacha Street, Alexandria; wide experience; first-class connection among Chemists and Druggists; high references.

THE ANGLO-FRENCH DRUG CO., LTD., desire to inform the trade that they have opened a Branch in Paris with large Stock Rooms. They are therefore now in the position to offer their unique experience in introducing British goods and Specialities into France, and would be pleased to receive proposals as to sole Agencies. The Company would also act as buyers in France for British and Colonial firms on a small commission basis. Proposals, etc., which will be treated confidentially, to be sent to the Head Office, Gamage Buildings, Holborn, London, E.C. 1.

BERDOE & FISH

VALUERS & TRANSFER AGENTS

35 Jewry Street, Fenchurch Street, E.C.3.

Telephone: 1809 CENTRAL.

NO CHARGE TO PURCHASERS.

1.—SOUTH MIDLANDS (Death Vacancy).—Unopposed, good-class country Retail; pleasantly situated; returns £1,350; *net profit* £367 clear; low rent; good house and garden; nearest opposition 7 miles; thoroughly well stocked; price £900.

2.—LANCS.—Sound Cash Retail, within three miles of Bury; present returns about £1,000; no panel; wine licence; very low rent; same hands many years; population 7,000; good chance for smart man; price £400.

3.—NORFOLK.—Unopposed mixed village Retail; returns about £1,150; run as a Drug Store; large house; rent only £20; fully stocked; price £300; illness sole cause of sale; suit unqualified or qualified.

4.—HERTS (Market Town).—Most desirable Light Country Retail; easily worked; returns about £900; good profits; good house, bathroom, etc.; very best position; well stocked; price simply valuation, under £400; part can remain.

5.—LONDON SUBURB, N.E.—Sound progressive cash Drug Stores in fine main road position; returns nearly £40 a week; no panel; excellent profits; convenient house and premises; well stocked; owner called up; price for quick sale £800; qualified man would soon increase; takings to £2,500.

6.—LONDON, S.W.—Good-class Retail and Dispensing Business, in fine position, close to busy station; returns £1,000; no panel; clear net profit over £300; books properly kept; scope for increase, owner retiring; price £450; part could remain; strongly recommended.

7.—WEST LONDON.—Sound middle-class cash Retail; returns £26 weekly, plus N.H.I.; good profits; no immediate opposition; low rent; good house; price £350; half could remain if desired.

8.—SOUTH LONDON (Close to City).—Brisk Cash Business for disposal; returns nearly £40 a week; good profits; splendid corner position in busy main road; fully stocked; good modern premises; price £1,000; could arrange entry with £600 cash.

STOCKTAKINGS.

We are now booking dates for August, and appointments should be made early to avoid dates clashing. Terms sent on application. 45 years' practical experience.

FOR SALE.

ABOUT 50 strong Empty Cases for sale, various sizes, between 39 × 20 × 23½ in. and 24 × 17 × 15 in. Apply 200/34, Office of this Paper.

COPPER Pan, 24″ diameter on tripod, £7; Copper Steam-jacketed Pan, 24″ diameter on 3 columns, £35; Copper Steam-jacketed Copper Pan, 24″ diameter on tripod, £35; W.I. Steam-jacketed Pan, lead lined, 24″ diameter, 3′0″ deep, 60 gallons capacity, £45; Copper Boiling Copper, 4.0 diameter by 3.0 deep, about 220 gallons capacity, £50; Lancs Hydro, 26″, copper steam-jacketed, £75. "C. P.," 41 Newcomen Street, S.E. 1.

FOR Sale, window attraction, seven novel mechanical working Showpieces, specially adapted for Advertising Chemist or other trades; new, never used, and none like them now obtainable; each in case, packed; price £2 each. Also No. 7 Remington Typewriter, £7 10*s*. Particulars, or seen in London by appointment, 219/16, Office of this Paper.

FOR Sale, N.P. Suppository, Pessary Moulds, 3 30-grain for 6, 2 ditto for 12, 4 90-grain for 12, 1 120-grain for 12. What offers? 18 Market Road, N. 7.

SURPLUS STOCK.—1 cwt. Pulv. Zingib., good, £10; 72 3*s*. Stephens' Blue Black Ink, 135*s*.; 36 Medium Apenta Water, 40*s*.; 1 cwt. Pulv. Carui, genuine, £20; 41 lb. dried Sodium Sulphite, 41*s*.; 25 oz. Argent. Nit. Crystal, 87*s*. 6*d*.; 12 gross Chesebrough's original tins 2*d*. Vaseline, £9; 16½ lb. Methylene Blue, £20; 8¾ lb. Calcium Lactophosphate Crystal, £16 10*s*.; 6 lb. Asafœtida, 42*s*.; 22 lb. Bals. Copaibæ, 165*s*.; 49 lb. Pdrd. Marshmallow, 170*s*.; 154 oz. Theobromine, £30; 37 oz. Iodum Resub., 40*s*.; 112 lb. Fol. Sennæ Tinnevelly, bold, 160*s*.; 126 bles. Vin. Gerard., £19; 34 bles. Vin. Vial., £5; all carriage forward; cash with order. Shuker & Reed, Ltd., Chemists, Launceston.

TARRAGON VINEGAR.—About 17 gross pint bottles Crosse & Blackwell's Tarragon Vinegar for Sale. Apply 222/27, Office of this Paper.

PARTNERSHIPS.

REQUIRED, by a reliable energetic man, Partnership (or would take post with view to succession); unqualified. Write, in confidence, 218/5, Office of this Paper.

APPRENTICESHIPS.

TYNESIDE.—Youth, passed Preliminary, with some experience, desires post as Apprentice or Improver. "Juvenis," 146 Philip Street, Newcastle-on-Tyne.

BUSINESSES WANTED.

ISLE OF MAN OR LANCS.—Wanted, a Business in any part. Please give full particulars and price to M.P.S., c/o Medical Agency, 55 Shaw Street, Liverpool.

SMALL Business wanted (shortly); neglected or Drug Store not objected to if capable of increase; state lowest price; S.W. or Surrey preferred. Particulars, turnover, etc., in confidence, "Qualified" (229/24), Office of this Paper.

WANTED to purchase, a small but established Proprietary, yielding a living now, and with good scope for increase. Full particulars in strict confidence to 223/11, Office of this Paper.

SITUATIONS OPEN.

RETAIL.

ALDERSHOT.—Lady Assistant required for Dispensing and Counter work; salary £2 per week and commission. Allen & Lloyd, Aldershot.

BEDFORD.—Lady Assistant or unqualified Junior wanted at once for Light Retail business, Counter, Window-dressing, and Stock; short hours; good salary (outdoors). State age, experience, and salary required, and give reference, Anthony & Son, Chemists, High Street, Bedford.

BOURNEMOUTH (near).—Capable lady Assistant for good-class Retail and Dispensing; short hours. Cartledge, Parkstone, Dorset.

BRECON.—Immediately, for about two months, to assist during holidays and liberate proprietor for Military Hospital Dispensing; lady or gentleman; preferably qualified. Frank L. Stanton, M.P.S., F.S.M.C., Brecon.

BRIGHTON.—Assistant Manager wanted (qualified) for Light Dispensing and Retail. Salary, etc., 222/37, Office of this Paper.

CARDIFF.—Qualified Assistant required as Branch Manager; also vacancies for unqualified Assistants. Full particulars to Duck & Son, St. John's Square, Cardiff.

CHEPSTOW.—Capable Assistant required; lady or gentleman; outdoors; easy hours and no Sunday duty; Light Retail and Dispensing. Apply, with full particulars and salary required, to Clarke, Chemist, Chepstow, Mon.

EALING.—Wanted, lady or gentleman; accustomed to good-class Dispensing business; no N.H.I.; outdoors. Apply, stating full particulars, to W. A. Weston, 8 Sandringham Parade, Ealing, W. 5.

EASTBOURNE.—Wanted, an experienced Assistant; ineligible; outdoors; hours 9 to 7. Apply personally or by letter, stating full particulars, to Gould & Co., Victoria Pharmacy, Eastbourne.

GLAMORGAN.—Wanted, Junior Assistant; used to N.H.I. Dispensing; smart Improver would do. Apply, stating salary required, 221/7, Office of this Paper.

GLOUCESTER.—Assistant required (male or female); outdoors; good-class Dispensing and Light Retail. State full particulars, with salary, to Ward & Woodman, Gloucester.

GRIMSBY.—Required, young lady or gentleman (discharged soldier) Assistant; Hall qualification; easy hours; good salary. Apply Barkers, Chemists, Grimsby.

GUY'S HOSPITAL, LONDON, S.E. 1.—Sixth Dispenser wanted (at once); Minor qualification essential; salary £150 per annum. Apply the Acting Pharmacist.

LEAMINGTON.—Lady Dispenser for high-class Dispensing and Light Retail business; outdoors. Apply Arthur Waldron, Warwick Place, Leamington Spa.

LIVERPOOL.—Qualified Manager for Branch; no Sunday duty; salary £260. Full particulars to "Pharmacist," c/o K. MacLennan, Chartered Accountant, 11 Drury Lane, Liverpool.

LIVERPOOL.—Wanted, capable Assistant, male, ineligible, for a brisk city business. Apply, stating age, height, salary, and references, John Bain, 4 Quadrant, Lime Street, Liverpool.

LONDON, N.W.—Assistant required, unqualified (lady or gentleman) for Dispensing and Counter. Apply, stating experience, etc., Berry, 96 Craven Park Road, Harlesden, N.W. 10.

LONDON, S.E.—Assistant wanted, about August 23rd, for a good-class Family and Dispensing business; outdoors; permanency; liberal salary. Apply by letter, stating age, experience, and salary required, "B. W." (222/7), Office of this Paper.

LONDON, S.W.—Assistant wanted (lady or gentleman); Counter, Dispensing, and Stock. Apply F. R. Barlow, Pharmaceutical Chemist, Loughborough Junction, S.W.

LONDON, S.W. 3.—Two qualified Chemists and two Junior Assistants required, ladies or gentlemen. Write, giving full particulars, or by appointment, W. Bennison, Pharmaceutical Chemist, 8 Cale Street, 133 King's Road, Chelsea.

LONDON, W.—Part-time, mostly afternoons; lady Assistant, with some shop experience, or Junior man (ineligible), for making stock preparations and assisting in first-class Dispensing. Apply by letter to 220/10, Office of this Paper.

LONDON, W.—Lady or gentleman Assistant required for Dispensing and Retail business; brisk Counter trade; previous experience essential; no Sunday or night duty. Apply with full particulars, stating experience and salary required, Healey, 76 Uxbridge Road, W. 12 (near Shepherd's Bush Tube Station).

LONDON, W.—Competent Assistant; immediate vacancy. Write or call, Rouse & Co., 12 Wigmore Street, London, W.

LONDON, W.—Young lady Assistant required; must have had good Dispensing and Counter experience; comfortable berth; good salary. Apply 220/902, Office of this Paper.

MALVERN.—Assistant; accustomed to Dispensing and good-class Retail. Kindly state full particulars as to experience, salary required (outdoors), etc., to A. Mander, The Belle Vue Pharmacy.

MANCHESTER (Near).—Wanted, Junior (outdoors) with knowledge of Dispensing; lady or gentleman (ineligible). State age and salary required, 220/1, Office of this Paper.

NEAR MANCHESTER.—Wanted, qualified Assistant; ineligible preferred. State age, experience, and salary required, 220/22, Office of this Paper.

NEAR MANCHESTER.—Wanted, qualified Assistant; either sex; Counter experience necessary. State age, experience, and salary required, 220/220, Office of this Paper.

NEAR MANCHESTER.—Lady Assistant required for Retail and Dispensing business; previous Counter experience absolutely necessary. Address, stating age, experience, salary, etc., to 220/221, Office of this Paper.

SCOTLAND.—Qualified Manager wanted for an important Retail business; must have energy and initiative; exceptional opportunity; an interest might be arranged if ability warranted. "Scot" (133/16), Office of this Paper.

SOUTH OF ENGLAND.—Assistant required (male or female); free removal; permanency with good salary. Timothy White Co., Ltd., Chemists, Portsmouth.

SURREY.—Chemist requires lady Dispenser (at once), Hall qualification, for good-class business. State usual particulars 134/6, Office of this Paper.

TORQUAY.—Experienced Assistant (ineligible) wanted for the Front Counter and Dispensing. Apply E. Quant, Torbay Pharmacy, Torquay.

WELLINGTON.—Unqualified Assistant, lady or gentleman, for good-class Retail business; must be competent and reliable Dispenser; outdoors; easy hours. State full particulars and salary required, Bates & Hunt, Wellington, Salop.

WEST RIDING, NEAR BARNSLEY.—Young lady Assistant required; must be a good Dispenser; comfortable permanency; good salary. Apply 220/900, Office of this Paper.

WEST RIDING (Good Healthy District).—Capable qualified Manager required for a sound Family Retail business, which is doing well; good salary, with a liberal interest in the profits offered. Apply 220/903, Office of this Paper.

WESTON-SUPER-MARE.—Assistant for Light Retail and Dispensing. Please give full particulars, stating salary required (outdoors), to Ernest Widgery, Pharmaceutical Chemist.

WORTHING.—Lady Assistant wanted, with Dispensing experience; outdoors; good-class business. Send particulars, with reference, to W. Aston, Pharmaceutical Chemist, Worthing.

ASSISTANT required (at once); outdoors; reliable Dispenser. Apply, with full particulars, to Dickinson, Chemist, Stamford, Lincolnshire.

ASSISTANT required (at once); unqualified; suit lady or gentleman; Cash Retail and Dispensing; easy hours. Write, giving full particulars, or apply personally, to Albert T. Honiatt, M.P.S., 35 Junction Road, Highgate, N. 19.

ASSISTANT wanted (immediately) until end of August; wages £5 per week; fares paid. Apply 220/8, Office of this Paper.

ASSISTANT (male) wanted for end of August. Pope, Roach & Son, 71 St. James's Street, S.W.

ASSISTANT (lady), Hall qualification, required for good-class Retail and Dispensing; outdoors; moderate hours. H. W. Selby, Sussex Square Pharmacy, Haywards Heath, Sussex.

ASSISTANT; outdoor (lady or gentleman); whole or part time; knowledge of Dispensing and Retail; no N.H.I. work. Apply G. W. G. Robinson, M.P.S., 307 Railton Road, Herne Hill, S.E. 24.

ASSISTANT wanted for best-class Dispensing Business; lady or gentleman; hours 9 till 7; outdoors. Jeffries, Chemist, Guildford.

AT once, an Assistant (lady or gentleman) to live over shop; unfurnished rooms, coal and gas found; qualification not essential; easy hours; permanency desired. Walwin, Chemist, Gloucester.

CLERK wanted, who has had experience. Apply Hunt & Co., Dispensing Chemists, High Street, Winchester.

DISPENSER.—First Assistant required; either sex; Hospital experience essential; salary according to qualifications. Applications should be sent to the House Governor, General Hospital, Birmingham, from whom detailed information may be obtained.

DISPENSER wanted (mornings and evenings) for Doctor; North London. Apply 219/19, Office of this Paper.

DISPENSER (Under) wanted for Sussex County Hospital, Brighton; hours 9.30 a.m. till 3 p.m., alternate Sundays 10.30 till 1; age under 30 preferred; qualified or unqualified; Senior Dispenser kept; salary £150; outdoors; dinner provided. Apply Mr. Franklin, 86 King's Road, Brighton.

DRUG AND DRYSALTERY.—Counter Hand wanted for Retail business. State full particulars and wages required, Samuel Thornley, Ltd., 6 Snow Hill, Birmingham.

EXCHANGE HOLIDAY.—Advertiser would be glad to hear from any proprietor who is willing to arrange holiday for September on exchange basis; essential points; minimum of work; checking and supervising only; staff sufficient to carry on; no books; house or not. J. D. Horsburgh, 10 Salisbury Place, Edinburgh.

GENERAL INFIRMARY AT LEEDS.—Dispensers wanted to take places of present staff called up for military duties. Applications, with full particulars of experience, age, and salary required, should be addressed to Fred J. Bray, General Manager.

GOOD opening for a young qualified man; either rejected, discharged, or Grade 3; permanent and lucrative posts. "H. L." (220/9), Office of this Paper.

HOLIDAY Assistant wanted for two or three weeks in August; a junior or young lady who has some knowledge of Dispensing; no N.H.I. work to do. Apply, stating age, experience, salary required (outdoors), and give reference, to C. D. Cumber, Chemist, Winton, Bournemouth.

JUNIOR Assistant (lady or gentleman) for suburban Light Retail business; no Sunday duty. Full particulars to Ward, 35 St. Stephen's Road, Leicester.

JUNIOR wanted; good Dispenser; ineligible or discharged soldier or lady Assistant. State salary and experience to C. J. Allan, Chemist, Redcar, Yorks.

LADY Assistant, chiefly for Dispensing, Hall qualification, short hours, required at once. Apply Mr. Longstaff, John Barnes & Co., Ltd., 191-217 Finchley Road, N.W.

LADY Assistant required, with Dispensing experience, and willing to assist at Counter. Apply, stating age, experience, and salary required (outdoors), to Greenish & Co., 20 New Street, Dorset Square, N.W. 1.

LADY Dispenser required; Hall certificate; experienced. Apply by letter, giving full particulars of experience, to Staff Manager, Harrods, Ltd., 44 Hans Crescent, S.W.

LADY Dispenser wanted; must be quick and reliable. Full particulars and salary required to Hartleys, Chemists, Nelson, Lancashire.

LADY Dispenser (qualified) wanted; live out; dinner and tea provided; state salary required. For particulars, etc., address the Medical Superintendent, Bracebridge Asylum, near Lincoln.

LADY Assistant, Minor qualification, required at once; short hours. Apply Mr. Longstaff, John Barnes & Co., Ltd., 191-217 Finchley Road, N.W.

LADY Dispenser wanted (outdoors) for morning and evening work. Write "Doctor," 42a New Cross Road, London, S.E.

LADY Dispenser (Hall qualification) required as Locum for 4½ weeks in a London Dispensary; very easy hours; free two week-days entirely, also no Sunday duty; excellent opportunity to acquire Institution experience; testimonial given; Salary £2 2s. weekly; commence August 12th. Apply 222/36, Office of this Paper.

LOCUM for about four weeks; August or September. Terms, etc., to J. Wynne Williams, Mold, North Wales.

LOCUM wanted for three weeks about September; Assistant kept; suburban business. Apply, stating full particulars, including salary (indoors) and recent reference, A. H. Harries, Chemist, Heathfield Road, Handsworth, Birmingham.

LOCUM Tenens wanted at once. Apply, stating terms and particulars, to George & Welch, Worcester.

LOCUM (qualified) wanted for two weeks after August 10th; no Sunday duty; outdoors. State terms and references to "H.," 591 Old Kent Road, S.E. 15.

LOCUM or Temporary Assistant wanted to help over holidays; earliest possible date from now until the end of September. Apply, with full particulars, to Gregory & Wrenn, Chemists, Taunton.

MIDGLEYS, Chemists, Manchester, have vacancies for qualified and unqualified Assistants; main essential first-rate Dispensing experience; City hours and conditions; permanencies; applicants within reach London can be interviewed there Tuesday next by appointment. Applications in confidence, stating experience, 135/100, Office of this Paper.

LOCUM (qualified) required for three weeks beginning of September; Tyneside district. Apply with reference, and stating salary required, 224/11, Office of this Paper.

LOCUM, qualified, experienced, for about three weeks end of August. State terms, 1 Barons Court Road, West Kensington, W. 14.

LOCUMS wanted, qualified, also unqualified. for about one month (soon as possible). Apply Guests, Chemists, Tooting Broadway, London, S.W. 17. 'Phone, Streatham 1411.

LOCUM Dispenser required, for a fortnight early part of August, by a firm of Surgeons in Essex. State experience and wages required, 221/16, Office of this Paper.

MANAGER (qualified) wanted at once for good-class business, Witham, Essex; only Chemist; easy hours; good house attached. Apply, giving age, category, experience, references, and wages required, to T. Bellamy, Pharmaceutical Chemist, Chelmsford.

MANAGER wanted; qualified, or, if well experienced, unqualified; one with good Optical knowledge, and F.S.M.C. or B.O.A. diploma preferred; country town; high-class business; delightful neighbourhood. State salary required, age, and previous positions, also if ineligible, and grounds of ineligibility for military service. Apply 223/8, Office of this Paper.

MANAGER; qualified; indoor or outdoor; would suit elderly gentleman or one in delicate health, as work is light; beautiful country, N. Wales; easy hours, no Sunday duty, half-day, etc. Apply, stating full particulars, 222/6, Office of this Paper.

MESSRS. TIMOTHY WHITE CO., LTD., Chemists, Portsmouth, require a capable Pharmacist (male or female); easy hours; good and progressive salary, with excellent prospects; free removal.

POINGDESTRE & TRUMAN require a qualified Assistant for a City Branch; hours 9 a.m. to 6 p.m. Also a Temporary Assistant for about two months (no ladies). Apply to 71 Old Kent Road, S.E. 1.

QUALIFIED Assistant for Dispensing, Retail, and Photographic business; Birmingham district; hours 8 till 7. State wages required and full particulars, 134/45, Office of this Paper.

QUALIFIED, lady or gentleman (if latter, must be discharged or ineligible), to manage business whilst owner is on service; references must bear strict investigation. Give full particulars in first application (by letter only). Applications not replied to within four days, please consider respectfully declined. Clark, Chemist, Stevenage.

QUALIFIED Assistant; male or female; outdoors. Apply, stating age, experience, and salary required, to L. Cameron, Pharmaceutical Chemist, Seaford, Sussex.

QUALIFIED lady Pharmacist or elderly gentleman required to assist in good-class Pharmacy, Counter, and Dispensing; hours easy, duties light; temporary berth or permanency; two stations from Cardiff. Wire or write, T. E. Williams, Ltd., Chemists, Caerphilly, near Cardiff.

QUALIFIED Manager for good-class business in London, S.W.; must be active and reliable; pleasant locality, and excellent house accommodation; view to succession entertained on very favourable terms. Apply F. J. Sproston, 118 Rodenhurst Road, Clapham, S.W.

QUALIFIED Manager wanted for Branch; ineligible, or fully qualified lady. Apply, with full particulars, age, experience, salary required, etc., photo if possible, to W. T. Hicks & Co., 28 Duke Street, Cardiff.

REQUIRED, Dispenser, either sex, in large West-End house; hours of work 8.45 till 6, 1 o'clock Saturdays, no Sunday duty. Apply, stating full particulars of past experience and salary required, to Manager of Drug Department, Army and Navy Stores, 105 Victoria Street, S.W. 1.

SAVORY & MOORE require a lady Clerk with good knowledge of bookkeeping, and preferably with experience of the Drug trade. Apply with full particulars, and stating salary required, to Manager, 143 New Bond Street.

SMART Assistant wanted for Light Retail and Dispensing; reasonable hours; progressive salary and permanency to right man; capable of taking charge occasionally. Kindly state age, height, and salary required in first letter, Massey, Chemist, Bradshawgate, Bolton.

SURGICAL INSTRUMENT BUSINESS.—Assistant for Shop Counter; state age, other duties accustomed to, and wages expected. Reply "Surgical," Lee & Nightingale, Liverpool.

TEMPORARY Assistant or lady for about three months; chiefly for Dispensing. State salary, 186 Mare Street, E. 8.

TEMPORARY Assistant required for six weeks; qualification not necessary; good-class business; outdoors. Please apply to Phillips, Chemist, Wolverhampton.

WANTED (at once), qualified Assistant; lady or gentleman; seaside branch; ineligible. Give full particulars of experience, references, salary required, when disengaged, photo if possible, Walker & Harris, Ltd., Chemists, Sun Street, Canterbury.

WANTED (at once), capable Assistant desiring permanency, qualified preferred (ineligible), for good-class Dispensing and Retail business; hours 9 to 7. Apply, stating age, experience, and salary required, to Ernest Drayton, Pharmacist, Ealing, W. 5.

WANTED, lady Assistant to put up Stock and assist at Counter; one with previous Counter experience preferred. Apply, with full particulars and salary required, to W. J. Boyes, 61 Balham Hill, S.W. 12.

WANTED, Locum for two or three weeks from middle of August or thereabouts; outdoors; easy hours, no Sunday work. Recent reference and salary required to W. G. Bodley, The Pharmacy, Four Oaks, Sutton Coldfield.

WANTED, capable man to take charge during fortnight's holiday, as from (or about) August 21st. Please state terms, with references, to Wyatt, Broadway, Barnes, S.W.

WANTED, unqualified Assistant; either sex; good references. State age, experience, and salary required, R. Needham, Chemist, Stalybridge.

WANTED, for about two months for the holiday season, lady Dispenser; outdoors; previous experience in a Pharmacy necessary. Apply, with full particulars, to Quibell, The Station Pharmacy, Golders Green, N.W. 4.

WANTED, a qualified lady as Dispenser. Apply, stating age, salary required (photo if possible), and references, to Messrs. Wyllys, Wyllys & Lee, Surgeons, Great Yarmouth.

WANTED, gentleman to take charge; August 6th to 17th (inclusive); light duties; no Sunday work. Leverett & Frye, Ltd., Drug Department, North Finchley, N. 12.

WANTED, for South-East Lancashire, Assistant; lady or gentleman; ineligible. Give full particulars to 223/19, Office of this Paper.

WOMAN Pharmacist required, September, for Retail; some N.H.I.; London district; non-resident; state salary. Apply, for further particulars, 220/35, Office of this Paper.

YOUNG lady Dispenser, with Counter experience, required for Sutton, Surrey; must have the Apothecaries' Hall qualification. Apply personally, or by letter, to Clarke's Drug Stores, Ltd., 65 Harmood Street, N.W. 1.

WHOLESALE.

ANALYTICAL Chemist (Soap, Oils, and Fats) required by London firm; progressive position; good opportunities. Reply, stating age, experience, and salary required, Z.P. 257, care Deacon's, Leadenhall Street, E.C. 3.

BURGOYNE, BURBIDGES & CO., LTD., West Ham, require a few Wet and Dry Counter Hands. Apply first by letter to "W. M. C." (131/59), Office of this Paper.

CHEMISTS.—The Anglo-French Drug Co., Ltd., have an opening for a gentleman, qualified or unqualified, to take charge of their export and import departments; must speak French fluently, and be able to translate (French-English and English-French) Medical Literature; experience of the French markets and knowledge of propaganda work essential; excellent opportunity for advancement to a competent man. Apply, with full particulars as to experience and state salary required, to the Managing Director, the Anglo-French Drug Co., Ltd., Gamage Building, Holborn, E.C. 1.

FACTORY Manager (ineligible) required by well-known Food Manufacturing Company; must be competent to take full charge of all work and labour; experience in connection with packing small packets in large firm most essential; good salary will be paid to the right man. Write, stating age, salary required, and full particulars, of experience, to Z. F. M., care Deacon's, Advertising Offices, Leadenhall Street, E.C. 3.

JUNIOR Ledger Clerk (lady), with some office experience, wanted by a Wholesale firm. State experience and wages, 221/160, Office of this Paper.

LADY required in Cost department; knowledge of Pharmacy and aptitude for figures essential. Apply the Secretary, The British Drug Houses, Ltd., Graham Street, City Road, N. 1.

MIDGLEYS, Chemists, Manchester, have present and impending vacancies; Galenical maker; Tablet maker; Drug Counter man; Forewoman; positions offer inducements to those ready to devote themselves to, and rise in, expanding business; applicants London district can be interviewed in London Tuesday next by appointment. Applications in confidence, stating experience, 135/10, Office of this Paper.

TOILET AND HAIR PREPARATIONS, LONDON.—Man competent to take charge of manufacturing; Shampoos, Oils, Skin Creams, Pomades, etc.; medium-sized business; must be industrious and thoroughly reliable; good references essential; permanency for right man; state age, experience, and wages. Reply "Consistent" (131/28), Office of this Paper.

MANAGER'S Assistant required by a progressive firm of Manufacturing Chemists; applicant must be ineligible for Army, and possess an intimate knowledge of Malt Extract Manufacture and Vacuum Plant; good prospects for man capable of taking charge of works, which are situated in country near London. Write, stating age, stating salary required and full particulars of experience, to "M. H." (219/14), Office of this Paper.

WANTED, young man of smart appearance, who understands Photography, ex-soldier preferred, as City Representative. Apply 217/12, Office of this Paper.

WANTED, an experienced Pill and Tablet Maker; male or female. Apply, giving particulars as to experience and wages required, to Lofthouse & Saltmer, Ltd., Wholesale Druggists, Hull.

WORKS Manager required (at once) for Chemical Factory; must have had good experience with a Wholesale Chemist and be competent to take entire charge. State age and salary required to "Works Manager" (220/901), Office of this Paper.

WRIGHT, LAYMAN & UMNEY, London, require a competent Assistant in their dispatch department; must have had previous experience; good salary. Apply by letter only, W. C. H., 46 Southwark Street, S.E. 1.

SITUATIONS OPEN.

(Colonial, Indian and Foreign.)

SINGAPORE.—Wanted (immediately), qualified Assistant; young; single; ineligible Army; three years' engagement; monthly salary of $250, $275, and $300 ($1 equivalent to two shillings and fourpence sterling); passage paid out and home. Full particulars from Downie, 187 Gairbraid Street, Glasgow.

SITUATIONS WANTED.

1s. for 12 words or less; 6d. for every 10 words or less beyond, prepaid.

[HOME.]

RETAIL.

A GOOD Chemist as Manager; payment by results; 48; energetic; highly recommended. Apply 221/211, Office of this Paper.

ADVERTISER, desiring change, wishes situation as Manager in September; qualified; all-round experience; Extractor, Prescriber, Dispenser, N.H.I., etc.; live over shop; anywhere north of the Trent; market town or seaside preferred. Apply 122/14, Office of this Paper.

ASSISTANT, 24, totally discharged, seeks post in Brighton; Dispensing Counter, Windows. Reply "Brighton" (219/12), Office of this Paper.

CHEMIST; qualified; 47; management or would buy; disengaged; highest credentials; salary £300. Apply 221/213, Office of this Paper.

CHEMIST-OPTICIAN, expert in Retinoxopy, is prepared to coach or offer part-time service to a country or seaside Optician during early part of August. State requirements, "Fundus" (218/38), Office of this Paper.

DIRECTOR recommends qualified Manager for important position; the man for large business. Apply 221/21, Office of this Paper.

DISPENSER; gentleman; 27 (Hall); Hospital or Doctor; experienced. "Cyrex," 170 Kennington Park Road, S.E. 2.

ELDERLY gentleman seeks position with a Retail Chemist or Wholesale Chemist; qualified; thirty years' experience; Coventry or Leamington preferred. J. Newton, Chemist, Windy Arbour, Kenilworth.

ELDERLY; qualified; single; best experience; easy hours; moderate terms. Apply 223/26, Office of this Paper.

EVENING and other help offered in exchange for bedroom, etc.; qualified. Apply 223/12, Office of this Paper.

GENERAL all-round, Wholesale or Retail, exempt, 46, unregistered, 5 ft. 9 in., town and country experience, used relief work, seeks berth with reasonable hours, where merit is appreciated. State salary offered, West or S.W. England, "Veritas" (222/18), Office of this Paper.

GENTLEMAN, just over military age, requires Surgery Assistancy; well up in whole routine of Surgery work; long experience; leaving through death of Doctor; good references. Apply "Surgery" (222/14), Office of this Paper.

LADY Dispenser desires situation; Hall certificate; South Coast preferred. Apply 219/15, Office of this Paper.

LADY wants post; mid-August; Doctor or Chemist. R. S., Victoria Hospital, Winchester.

LADY ASSISTANT.—Young lady, of two years' excellent experience in good-class business, is desirous of securing situation in high-class Dispensing business; highest references. Please give full particulars to "Chemist," Randall & Son, Ltd., 146 High Street, Southampton.

LADY Dispenser (Apothecaries' Hall) desires post; whole or part time; West-End experience. Thomson, 18 Minard Road, Catford, S.E. 6.

LADY Dispenser-Bookkeeper, qualified, highly recommended, thoroughly experienced, requires light post with Doctor or Institution; September 1; Sussex preferred; no Chemists. Apply 222/32, Office of this Paper.

LIVERPOOL (or District).—Locum or permanency required by qualified Chemist; last week August; first-class experience; excellent references. Apply 220/38, Office of this Paper.

LOCUM; experienced town and country; abstainer; disengaged August 5th forward. J. S., 139 Linthorpe Road, Middlesbrough.

LOCUM; qualified; Photography, Optic; South Coast; fortnight in middle of August. Saliue, 128 Effingham Road, Harringay, N.

LOCUM; thoroughly experienced and reliable; unregistered; good references. 'T.,' 49 Streatham Place, S.W.

LOCUM or Manager; 33; qualified; Grade 3; disengaged August 3rd; 19 years' good all-round experience. Smith, 2 Royal Terrace, Weston-super-Mare.

LOCUM Dispenser; Hall; experienced; seaside preferred; disengaged August. Miss Saul, 129 High Street, Brentwood, Essex.

LOCUM for twelve days in August; all-round experience. State terms and particulars, 223/4, Office of this Paper.

MANAGER; London preferred; qualified; recommended by present company; £5 and part profits. Apply 209/38, Office of this Paper.

MANAGER or Locum, qualified, 46, Grade 2, shortly disengaged; Liverpool district; good salary required; total abstainer. "B.," 71 Sunbury Road, Liverpool.

MANAGER; 49; exempt; experienced; reliable; immediate; London preferred; Salesman, Subscriber, etc.; increase branch; unregistered. Address "Energy" (223/14), Office of this Paper.

MANAGERSHIP wanted by qualified Chemist; 32; married; both high-class Dispensing and Store trade experience; Grade 3. Please state salary, 218/36, Office of this Paper.

MANAGERSHIP wanted by qualified Pharmacist; 39, married, abstainer; Grade 3, with West-End and Store experience. Jones, Woodcote, Senga Road, Hackbridge, Surrey.

MILITARY SERVICE.—Qualified Chemist, 48, will substitute for younger man; mutual terms. Apply 221/22, Office of this Paper.

MILITARY Service Act, 1918.—A qualified Pharmacist, age 50, low grade classification, wishes to correspond with a gentleman in business who is being called up, with a view to substitution; wide experience; A 1 references. Apply "Reliable" (223/18), Office of this Paper.

PHARMACIST desires spare-time engagement; Tuesday afternoon and evening; Huddersfield or Halifax district. C/o Johnson, Chemist, Birkby, Huddersfield.

PHARMACIST, business builder, desires Managership; capable of sole control where first-class abilities will be appreciated; excellent character; good salary required. Apply 221/32, Office of this Paper.

PHARMACEUTICAL Chemist (ineligible), holding prominent West-End Managerial position, desires change; Wholesale or Retail; London preferred. Apply 224/5, Office of this Paper.

QUALIFIED (discharged, artificial leg) requires Dispensing until end September; Hospital or otherwise; no Counter work. State hours and salary offered, 220/36, Office of this Paper.

QUALIFIED; 42; good experience; satisfactory references. Apply 220/30, Office of this Paper.

QUALIFIED Manager; 42; abstainer; Grade 3; highest references; London and provincial experience. Please state hours and salary offered, 219/2, Office of this Paper.

QUALIFIED, Grade 3, married, 26, as Manager; view to succession; must be country; excellent references. "Chemicus" (200/37), Office of this Paper.

QUALIFIED, Grade 3, age 41, exceptional references, desires permanency; 25 years' varied experience; 12 years present position. State salary offered, 221/6, Office of this Paper.

QUALIFIED Manager; Grade II.; good all-round experience; view to succession, or would carry on for duration for owner called up; disengaged end of August. Apply 223/13, Office of this Paper.

QUALIFIED, young, active, requires responsible position as Manager; highest all-round abilities; character bears strictest investigation, of good appearance, birth, and education; salary please state when first writing. Apply 221/320, Office of this Paper.

QUALIFIED lady Chemist, of good address, desires situation abroad; three or four years' engagement; Colonies preferred. Apply 221/25, Office of this Paper.

QUALIFIED, experienced Pharmacist would act as Locum for two weeks end of August. "Ward," c/o W. V. Dowson & Co., Gamage Buildings, E.C. 1.

RELIABLE Dispenser and Surgery Attendant, 30, disengaged July 8th, requires locum or permanency with Doctor or Institution; last situation, one year management of Drug Store, five years with Doctor. Write Mr. M. Birch, 16 Melrose Gardens, Hammersmith, W. 6.

SMART qualified man; used to very large turnover; £250 and good commission. Apply 221/210, Office of this Paper.

UNQUALIFIED (31), married, C3, energetic worker, thoroughly competent, Dispensing, Counter, etc., all branches, desires permanency in busy country town; West or South-West preferred; at liberty latter end of August. Terms and particulars, "Abstainer" (220/14), Office of this Paper.

WANTED by Dispenser (qualified), work three times a week as Assistant; some experience; small salary. Cartwright, 19 Ludlow Road, Ealing.

WHOLESALE.

ADVERTISER (provincial), 41, final discharge, wants permanent post; town or country; used to control Factory, Laboratory Warehouse staffs, manufacture, packing, and dispatch; good organiser, correspondent, buyer; up-to-date card index, office and mail order methods; unqualified; minimum £5 weekly. Apply 223/9, Office of this Paper.

CHEMIST, 36, with first-class commercial training, for many years with firm of repute, contemplates making a change at the end of the present year, and wishes to negotiate with view to a permanency; liberal salary and attractive prospects essential; manufacturing firms developing their connections abroad, and requiring the services of a competent man in a responsible capacity, offering scope for initiative and enterprise, should communicate with 221/15, Office of this Paper.

EXPERIENCED Representative is open to act for first-class firm, or good agency amongst Wholesale houses entertained. Apply 221/18, Office of this Paper.

EXPERIENCED Works Research Chemist requires position with firm engaged on war work. Apply 134/60, Office of this Paper.

FOREMAN, 26, married, well educated, with nine years' experience Surgical, Ligatures, Splints, and Glassware, seeks more progressive firm than present employers; excellent references; Grade III.; protected. Apply 220/16, Office of this Paper.

GENTLEMAN, well known amongst Chemists and Stores in London, Home and Southern Counties, is open to represent good firms on commission: excellent references. Please write, "G. B.," 5 Saltoun Road, Brixton, London, S.W.

LADY (Major) would like post; Analytical Laboratory Manufacturing Chemist; some experience. Apply 223/16, Office of this Paper.

QUALIFIED Pharmacist, exempt, good manufacturing and business experience, desires works or office employment. C. A. Cofman, 47 Hermon Hill, Snaresbrook, E. 11.

REPRESENTATIVE; unqualified: 35; military classification R/R; 17 years Wholesale and Retail experience; know Welsh territory well. Roberts, Chemist, 22 Kensington, Liverpool.

RESEARCH Chemist and Electrometallurgist, now Manager, open for immediate appointment; research, erection, design, running costing, sales, munitions returns, Metallurgical, Chemical or Electrical plant; Public School, Works, University and Bankers' references. Write Box 163, Willings, 125 Strand, W.C. 2.

TRAVELLER (ineligible) wishes represent good firm: has connection Wholesale and principal Retail Chemists throughout United Kingdom, therefore ground no object. Apply 134/9, Office of this Paper.

SITUATIONS WANTED.

(Colonial, Indian and Foreign.)

EGYPT.—Young English lady seeks post; Cairo or Alexandria: Apothecaries' Hall qualification: six years' Dispensing and Counter experience; knowledge of French; excellent references. Apply 223/20, Office of this Paper.

MISCELLANEOUS.

100,000 Saccharine Tablets; prompt delivery, Monsanto brand; ½ in 1: 330 full strength: 5 to 10,000 at 22*s.*; 10 to 50,000 at 21*s.* 6*d.*; 50 to 100,000 at 21*s.*; posted by return for cash on *pro forma*. Apply 196/24, Office of this Paper.

POTTERY Vessels (12 or more) of Doulton make Storage Jars (some with three necks), holding from 100 to 120 gallons each, for Sale; may be inspected at Limehouse by appointment. Address "Pottery," care of Wilcox & Co., Locksley Street, Limehouse, London, E. 14.

SECOND-HAND CHEMISTS' FITTINGS.—We have an exceptionally fine selection of these in all sizes; prices are right, and goods are in first-class condition; we shall be pleased to supply particulars and prices. Call or write, RUDDUCK & CO., 262 Old Street, London, E.C.

SHOWCASES AND SHOP FITTINGS.—Several fine Silent Salesman Showcases and Counters; quantity of useful Shop Fittings; low prices. Write inquiries, Philip Josephs & Sons, Ltd., 93 Old Street, London, E.C. 1.

140 LB. Saccharin Tablets, ½ gr., 330 in 1, over 7,000 to lb., £7 10*s.* per lb.; 2 lbs. £7 9*s.* 6*d.* per lb.; cash with order; registered post same day. A. Walton, 40 Washington Street, Bradford.

SACCHARIN, 550, about 10 lb.; state requirements. Will quote also about 10 lb. ½ gr. in 1 Tablets, 22*s.* 6*d.* per 1,000 or 154*s.* per lb.; ¼ gr., 17*s.* 6*d.* per 1,000 or 120*s.* per lb.; uncontrolled; immediate dispatch for cash with order. Henning, Medical Hall, Larne.

WANTED, new or second-hand Tablet Machine, capable of compressing Tablets about 1⅝" square by about 1$\frac{1}{16}$" deep. Full particulars and price to 135/36, Office of this Paper.

EXCHANGE COLUMN.

One halfpenny per word with name and address. One penny per word if we register the address and attach a number. No advertisement inserted for less than 6*d.*

FOR DISPOSAL.

BOOKS AND PERIODICALS.

"CHEMIST & DRUGGISTS"; old; two or three years. State price, Walker, 428 West Green Road, N.

DRUGS AND CHEMICALS.

WHAT offers? 9 oz. Guaiacol. Carb. Apply 222/21, Office of this Paper.

FOR disposal, 2 oz. Guaiacol Carb., 16*s.*; 4 oz. Sulphonal, 20*s.*; 100 B.W. Tabs. Guaiacol Carb., gr. v., 10*s.*; one Tab. (20) Atophan, gr. 7½, 3*s.* Selby, Haywards Heath.

VASELINE, 20 gross (whole or part). 1*d.* tins in 3 dozen boxes; sample 2*d.*; carriage forward; cash offers. Eacott, Teynham, Kent.

8-OZ. Bottle Sodii Benzoas; 1-lb. Bottle Ammonia Carb. Pulv. Resub.; each perfect; will accept 13*s.* 6*d.*; carriage paid. Pharmacist, 278 Roman Road, Bow, E. 3.

MISCELLANEOUS.

FOUR Celluloid Full Upper Showpieces. R. Lamb, 123 West End Lane, London.

AMERICAN Soda Fountain, with accessories; any reasonable offer accepted. 3 Queen Street, E.C.

16 LB. Alkanet Root. What offers? 1 lb. Caffeine Cit., 45*s.* Cullwick, Chemist, Smethwick.

DUPLEX Tablet Machine (Allen & Hanbury); hand power; complete with dyes; £5. Cox, Chemist, 732 Stratford Road, Birmingham.

SENSITIVE Scales to 2 milligrammes, in mahogany and glass case, with drawer; in perfect condition. What offers? Raab & Sons, 25 Milton Street, London, E.C. 2.

STRONG Rubber Sheet (hemmed), 6 × 4, unused, maker's price 10*s.*; 1 Veno's Germolene, 3*s.*; 1 Oxien Tabs., 4*s.* 6*d.*; 6, 2*s.*, 9*d.* Forde's Bile Beans; 1 Chologestin; 1 Bayer's Irocose; 100 Guaiacol Carb., 100 Trional, 200 Ichthyol, 200 Antipyrine, all B. W. & Co.'s. What offers? Whitelaw, Cupar, Fife.

TABLET Machine, A. and H. Express Rotary, 5 punch, in good condition, several sets of dies and punches; powerful two-speed Mixer (Werner & Pfleiderer), 28 lb. capacity, for pill mass or stiff pastes, F. and L. pulley; Paste Mixer, Brass, tip up, with balance weight by Sharp & Sons, 1½ cwt. capacity, F. & L. pulley. Address 134/21, Office of this Paper.

WANTED.

TWO or three Tubes, or more of Chinosol. Apply 135/52, Office of this Paper.

COMPLETE illustrated list of Surgical Appliances. "H." (217/15), Office of this Paper.

THIOCOL Tabs. (5 gr.), stamped; Liebig's Wine; Wincarnis. McMullan, Chemists, Larne.

WANTED, in good condition, small Ointment Mill. Chemist, 13a St. Paul's Avenue, Willesden, N.W. 2.

TABLET Machine (hand) wanted. State price, make, and condition, Organic Medicine Co., 10 Park Lane, Leeds.

"PHARMACEUTICAL Journal Formulary," with all supplements if possible. Brock, Parker & Co., Ltd., Ashfield, Bradford.

TABLET Machine; hand power; Stokes or other good make; high price for good machine. Apply 220/40, Office of this Paper.

WANTED, Radium Salt, pure or Residues, old Applicators, etc. Apply Harrison Glew, Radium Laboratories, 156 Clapham Road, S.W. 9.

500 gross Ointment Tins, etc.; also quantity Labels for Proprietary articles. Send samples and lowest price for cash, James, Chemist, 15 Crownhill Road, Harlesden, N.W. 10.

POWER-DRIVEN Jacketed Mixer, suitable for Toilet Creams; any size up to 5-cwt. capacity. Apply 128/41, Office of this Paper.

OPTICAL books, Minor, Major, Chemists' books; send prepaid for valuation, cash offers per return. Gower, Bookseller, 41 Voltaire Road, Clapham, S.W. 4.

SPECTACLE Lenses, Gold-filled Spectacle and Eyeglass Frames, in any quantity. Particulars and prices to Bishop & Vincent, 460 Holloway Road, N. 7.

BIG prices paid for Stokes' or Colton Tablet Machines; Pill Machinery also wanted. Particulars to 78/58, Office of this Paper.

CELLULOID Scrap Films; pieces or waste; spot cash for 1-lb. or 10-ton lots. H. B., 17 Ashmere Grove, Brixton, London, S.W. 2.

JOB line Tins wanted, suitable for Boot Polish, etc. We are also buyers of Tin Plates, printed or plain. Also Cartons for same. "Brytenup" Polish Works, Marsh Lane, Preston.

VACUUM Flasks to factors and importers wanted. Cash prices for original cases. Reply 222/29, Office of this Paper.

"HOLMIER" BRAND
COMPOUND SACCHARIN TABLETS.

One is equal to a teaspoonful of sugar.
Made with American 550 Saccharin. **16/-** per 1,000 Reg. post paid.
Cash with order.

MEYER, Manufacturing Chemists, GRAVELLY HILL, **BIRMINGHAM.**

SACCHARINE TABLETS

¼ grain in one.

10,000 at **16/4** per **1,000**
25,000 at **16/2** per **1,000**
100,000 at **16/1** per **1,000**
or over.

Immediate Delivery Guaranteed. Postage & Packing 1/- extra

THE B. & A. TRADING CO.
6 St. George's Terrace, Regent's Park, London, N.W. 3.

About 2,000 TUBES, each 15 TABLETS,
'PASTILLAS de OXICIANURO de MERCURIO.'
20 BOTTLES, each 300 TABLETS,
'PASTILLAS de SUBLIMADO.'
About 22 DOZ. BOTTLES, each about 15 TABLETS,
CASCARA SAGRADA.
WHAT OFFERS ?

N. L. SCALIARIS, 89-90 Leadenhall Street, LONDON, E.C. 3.

8/6 VERY FEW.

Jay Mack's Ledger

gives Yearly Sales, Purchases, Exes., with only 10 mins. work weekly; Easy Stocktaking explained; Form Pages show Balance Sheets and Income Tax Deductions; no previous Book-keeping experience needed.

10/6 4 Years 5 Columns

On appro. on receipt of cheque. 1/- Post Booking Fee, deducted if returned.

Mack-Ivor, Hightown P.O., Crewe.	Ayrtons, Evans, Bleasdale, Ucal Raimes (Edinb.)	Australia: Felton Grimwade C.D.A.	S. Africa: Border Drug, Gardners.

COTTON WOOL 2/2 per lb.

in 1 cwt. lots; 56 lb. at 2/2½. Carriage paid. Cash with order. Wrappers 3/6 extra, and are returnable. The wool is white, absorbent, and interleaved. Sample for stamp. Special price for bigger lots. Super quality at reasonable prices.

JAS. Q. MILLS, Chemist, Platt Bridge, WIGAN

WATSONS' OF SHEFFIELD

Give TWO-THIRDS Retail Price for No. 1 Junior Kodaks and No. 2 Folding Brownies and for many other cameras.

Three-quarters Retail Price for ROLL FILMS of all kinds.

Out-of-date films bought for experimental purposes.

If you have anything photographic, cameras, apparatus or supplies you cannot sell, send it to us now. It will never be worth so much to you again.

Ask your nearest chemist friend if he was satisfied with the price we paid him. He'll tell you.

All remittances immediately and all goods returned CARRIAGE PAID at once, if required.

TESTIMONIALS. LONGTON.

"Many thanks for postal order to hand yesterday. I must say that you have been most courteous and straightforward over this matter. Indeed, I cannot conceive of a firm being more straightforward than yourselves." H. H. E.

HOLLOWAY, N.

"I am in receipt of your letter and cheque, value £5, in payment for camera; and I am greatly obliged by the prompt and liberal treatment I have received in the matter." C.W.

WATSONS', The Camera House,
Tel. No. 27. **84 High Street, Sheffield.**

COTTON WOOL.

(1 lb. Rolls Interleaved.)

Book your Contracts now, before the price advances.

We are prepared to accept Contracts for delivery as required during 1918, carriage paid, at the following prices:

White Absorbent Cotton Wool (Interleaved), 1 lb. Rolls
1 cwt. lots @ 2/2 per lb. 10 cwt. lots @ 2/1¾ per lb.
20 ,, @ 2/1½ ,, 40 ,, @ 2/1 ,,

Special Prices for larger quantities. Any quantity up to 30 tons.

Packed in 1 cwt. bales. Bales charged and allowed when returned. Terms: Cash 7 days from date of each delivery on satisfactory references; otherwise Cheque with order.

S. MATZ, Chemist, 341 Cheetham Hill Road, **MANCHESTER**

TEA SWEETENERS

"ASPANCO" BRAND.

ONE EQUAL TO A LUMP OF SUGAR.

16/- per 1000, Post Free. Cash with order.

A. S. PRICE & CO. Ltd., Blackheath, Birmingham.

SACCHARIN TABLETS

½ Gr. 330 in 1.

21/- per 1,000, or 10,000 @ 20/- per 1, 00.

C.W.O. Delivery per return.

FREEMAN, 93 Graham Road, Dalston, E. 8.

ALL CHEMISTS SHOULD STOCK ABDINE

THE GOLD MEDAL FRUIT DRINK.

Quick Seller. Big Profits. Over 40 Years' Reputation.

"ABDINE" is the most popular Health Drink. Superior to all Mineral Waters. Sold in Packets, 1½d. each; Boxes of 13 packets, 1/6.

Wholesale Prices on application. Sample Box 1/6.

D. M'GLASHAN, M.P.S., Abdine Works, Westfield Road, EDINBURGH.

P.A.T.A. NOTICE.

The prices announced below will come in force as from the date of this issue :—

Advert. Price.		Minimum Retail Price.	Minimum Wholesale Price.	
1/3	"Allenburys" Odontase Dental Cream ...	1/3	11/3	
1/6	Evans' Lecigen ...	1/6	11/-	Net.
2/6	" " ...	2/6	18/6	Net.
4/6	" " ...	4/6	33/6	Net.
7/6	" " ...	7/6	56/-	Net.
9/6	Liquor Nucleinious (Squire)	9/6	87/-	

By £4 4s. lots 82/-

Saccharin Sweetening Tablets

We have them !

(½ strength guaranteed.)

Send Cash with Order, please !

1 lb	....	£8	0	0	the lb
2 lb	....	7	19	6	,,
3 lb	....	7	19	0	,,
5 lb	....	7	18	6	,,
10 lb	....	7	18	0	,,
20 lb	....	7	17	6	,,
50 lb	....	7	17	0	,,
100 lb	....	7	16	6	,,

Immediate Delivery, Fresh Stock

Orders sent off in strict rotation. Simply say quantity you wish and enclose Cheque or P.O. for correct amount

Welveet Manufacturing Co
33 Chancery Lane
London W C 2

SACCHARIN TABLETS.

Reliable and Satisfactory.

¼ grain in 1 :	1,000 @ 17/-	...	10,000 @ 16/9
	25,000 @ 16/7	...	50,000 @ 16/6
½ grain in 1 :	1,000 @ 22/6	...	10,000 @ 21/4
	25,000 @ 21/2	...	50,000 @ 21/1

C.W.O. Registered post paid. Prompt Delivery.

STONE & CO., Wholesale Druggists,
16 Exchange Street, NORWICH.

DAMANCY & CO., HARROW.

In addition to the quantity required to supply to our contracts, we have now a further quantity to offer of

SWEETENING TABLETS
(Compound Saccharin Tablets)

Made with U.S. 550 Saccharin. One equal to a teaspoonful of sugar.

15/- per 1000, registered, post free. Cash with order. Not less than 20,000 supplied to any one order.

EVERY DAY

someone is wanting DR. WILSON'S "MOOVIT" CORN PENCIL. It is well advertised, and commands a ready sale.

Retails 1/3. (P.A.T.A.)

Wholesale Agents: May, Roberts & Co., Ltd.; Sangers; W. Edwards & Son; Barclay & Sons, Ltd.

Attractive Show Bills, &c., from TALBOT WILSON, 20 Highgate Road, LONDON, N.W. 5.

PERFUMERS! SHORTAGE OF LABOUR

Advertisers are prepared to undertake the blending of Shampoo, Tooth, and other Toilet Powders, in large or small quantities at lowest possible rates. Good workmanship and prompt delivery. Ingredients supplied if desired at lowest market prices. Write, stating requirements—

MARTIN & CO., 71 City Road, Finsbury, London, E.C. 1

SHUGOW

Sugar Substitute for Jam Making, &c.

CHEMIST, ATTENTION !

1 oz. of Shugow equals 1 lb. of Sugar, about 16 times sweeter than Sugar. One pinch sweetens cup of tea, &c.

SHUGOW

Good for CAKES, PUDDINGS, ICE CREAM, PASTRY, JAM, &c.

One teaspoonful equals 2 oz. of Sugar. **8d.** a packet. Try one, you will be delighted. Sells like hot cakes ! 3 doz. **22/-**, 6 doz. **42/-**, 1 gross **£4**. Cash with order. Carriage paid.

Saccharin Tablets (½ gr. in 1) £7 10 0 per lb.

Richard Hoult, 73 Elford Grove, Leeds.

Printed for the Proprietors by SPOTTISWOODE, BALLANTYNE & CO., LTD., 1 New-street Square, E.C. 4, and published by the Proprietors at 42 Cannon Street, in the City of London. *July* 27, 1918. [88]

A PREPARATION WORTH PUSHING

In Canada and the United States a bottle of "Peroxide" is to be found in almost every home. A similar habit is growing up on this side, and a little educational work among your customers should result in a steady demand. Our product is now so labelled that the many uses of "Peroxide" are well advertised.

Hydrogen Peroxide Solution, P., D. & Co.

is made in England. It is a profitable preparation, and the prices below show that it is worth handling.

Size.	M.R.P.	M.W.P.
4 fl. ozs. ...	... 1/3 each ...	... 10/2 net per dozen.
8 fl. ozs. ...	... 1/9 ,, ...	... 14/1 ,, ,, ,,
16 fl. ozs. ...	... 2/8 ,, ...	... 23/1 ,, ,, ,,

It is also supplied in ½-gallon bottles.

Order a supply now, and ask for a showcard and leaflets giving detailed directions for the many uses of the P., D. & Co. H_2O_2 for distribution to likely customers.

PARKE, DAVIS & CO.

50-54 Beak Street, LONDON, W. 1.

Laboratories - Hounslow, Middlesex

LITHIA TABLETTES

Effervescing

FIG. B.

GIVE AN ABSOLUTELY CLEAR SOLUTION AND DO NOT BECOME DAMP.

Admittedly the finest effervescent Lithia Tablette on the market, yielding a more copious effervescence than any other brand.

STYLE 1 as FIG. A.
Glass Tube containing 12 Tablettes, in round black case . . . . . per dozen tubes **4/9**

STYLE 2 as FIG B.
Round Amber Bottle, containing 24 Tablettes per dozen bottles **7/-**

STYLE 3 as FIG B.
Round Amber Bottle, containing 40 Tablettes per dozen bottles **10/6**

STYLE 4
Flat Amber Bottle, containing 80 Tablettes . . per dozen **16/-**

STYLE 5
Flat Amber Bottle, containing 100 Tablettes per doz. **21/-**

Name and Address free on £1 orders.
Carriage Paid on £2 orders.
Showcards free.

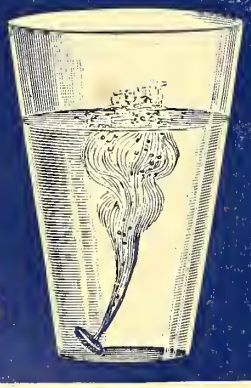

FIG. A.

THE STANDARD TABLET Co. Ltd. HOVE.

Printed for the Proprietors by SPOTTISWOODE, BALLANTYNE & Co., LTD., New-street Square, E.C. 4; and Published by the Proprietors at 42 Cannon Street, in the City of London.—*July* 27, 1918.